

SHARP SERVICE MANUAL

No. S39X4LC40E67U



LCD COLOR TELEVISION

LC-40E67U

MODELS LC-40E77U

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SAFETY PRECAUTION

IMPORTANT SERVICE SAFETY PRECAUTION

- Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

■WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

CAUTION: FOR CONTINUED PROTECTION AGAINST A RISK OF FIRE REPLACE ONLY WITH SAME TYPE FUSE.

F7101 (250V 6.3A)

F7105 (250V 1A)

■BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

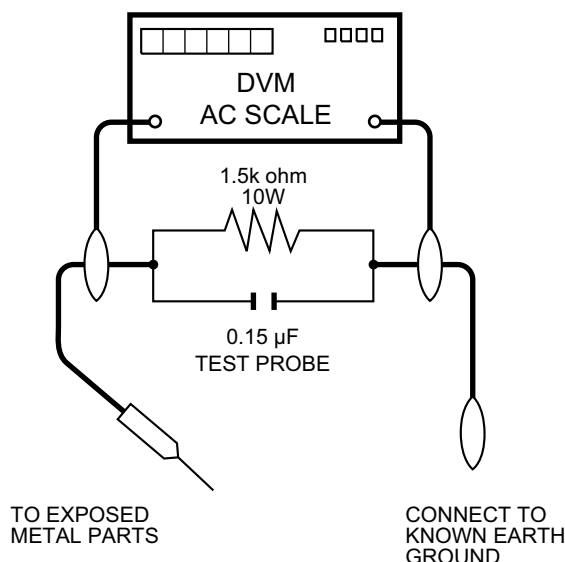
Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 120 volt AC outlet.
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 μ F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.

- Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
- Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.75 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD color television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by "⚠" and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS A PRENDRE LORS DE LA REPARATION

■ Ne peut effectuer la réparation qu'un technicien spécialisé qui s'est parfaitement accoutumé à toute vérification de sécurité et aux conseils suivants.

■ AVERTISSEMENT

1. N'entreprendre aucune modification de tout circuit. C'est dangereux.
2. Débrancher le récepteur avant toute réparation.

PRECAUTION: POUR LA PROTECTION CONTINUE CONTRE LES RISQUES D'INCENDIE, REMPLACER LE FUSIBLE

F7101 (250V 6.3A)

F7105 (250V 1A)

■ VERIFICATIONS CONTRE L'INCENDIE ET LE CHOC ELECTRIQUE

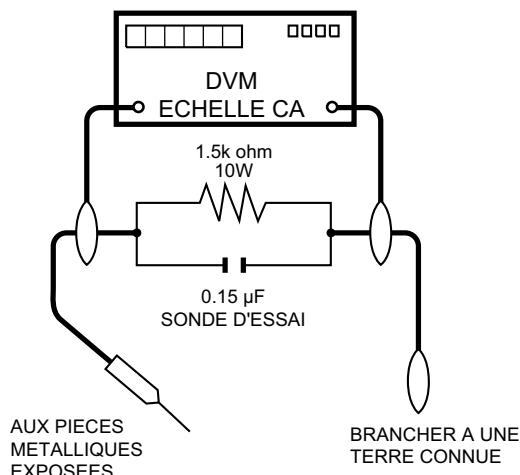
Avant de rendre le récepteur à l'utilisateur, effectuer les vérifications suivantes.

3. Inspecter tous les faisceaux de câbles pour s'assurer que les fils ne soient pas pincés ou qu'un outil ne soit pas placé entre le châssis et les autres pièces métalliques du récepteur.
4. Inspecter tous les dispositifs de protection comme les boutons de commande non-métalliques, les isolants, le dos du coffret, les couvercles ou blindages de réglage et de compartiment, les réseaux de résistancecapacité, les isolateurs mécaniques, etc.
5. S'assurer qu'il n'y ait pas de danger d'électrocution en vérifiant la fuite de courant, de la façon suivante:
 - Brancher le cordon d'alimentation directement à une prise de courant de 120V. (Ne pas utiliser de transformateur d'isolation pour cet essai).

- A l'aide de deux fils à pinces, brancher une résistance de 1.5 k Ω 10 watts en parallèle avec un condensateur de 0.15 μ F en série avec toutes les pièces métalliques exposées du coffret et une terre connue comme une conduite électrique ou une prise de terre branchée à la terre.
- Utiliser un voltmètre CA d'une sensibilité d'au moins 5000 Ω /V pour mesurer la chute de tension en travers de la résistance.
- Toucher avec la sonde d'essai les pièces métalliques exposées qui présentent une voie de retour au châssis (antenne, coffret métallique, tête des vis, arbres de commande et des boutons, écusson, etc.) et mesurer la chute de tension CA en-travers de la résistance. Toutes les vérifications doivent être refaites après avoir inversé la fiche du cordon d'alimentation. (Si nécessaire, une prise d'adaptation non polarisée peut être utilisée dans le but de terminer ces vérifications.)

La tension de pointe mesurée ne doit pas dépasser 0.75V (correspondante au courant CA de pointe de 0.5mA).

Dans le cas contraire, il y a une possibilité de choc électrique qui doit être supprimée avant de rendre le récepteur au client.



AVIS POUR LA SECURITE

De nombreuses pièces, électriques et mécaniques, dans les téléviseur ACL présentent des caractéristiques spéciales relatives à la sécurité, qui ne sont souvent pas évidentes à vue. Le degré de protection ne peut pas être nécessairement augmentée en utilisant des pièces de remplacement étalonnées pour haute tension, puissance, etc.

Les pièces de remplacement qui présentent ces caractéristiques sont identifiées dans ce manuel; les pièces électriques qui présentent ces particularités sont identifiées par la marque "⚠" et hachurées dans la liste des pièces de remplacement et les diagrammes schématiques.

Pour assurer la protection, ces pièces doivent être identiques à celles utilisées dans le circuit d'origine. L'utilisation de pièces qui n'ont pas les mêmes caractéristiques que les pièces recommandées par l'usine, indiquées dans ce manuel, peut provoquer des électrocutions, incendies, radiations X ou autres accidents.

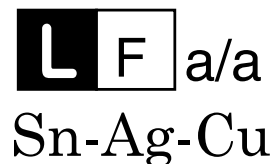
PRECAUTIONS FOR USING LEAD-FREE SOLDER**■Employing lead-free solder**

- “PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:



Indicates lead-free solder of tin, silver and copper.



Indicates lead-free solder of tin, silver and copper.

■Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

■Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDai123250E	BL	J	φ0.3mm 250g (1roll)
ZHNDai126500E	BK	J	φ0.6mm 500g (1roll)
ZHNDai12801KE	BM	J	φ1.0mm 1kg (1roll)

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Item			Model: LC-40E67U	Model: LC-40E77U
LCD panel			40" Class (40" Diagonal) Advanced Super View & BLACK TFT LCD	
Resolution			2,073,600 pixels (1,920 x 1,080)	
TV Function	TV-standard (CCIR)		American TV Standard ATSC/NTSC System	
	Receiving Channel	VHF/UHF	VHF 2-13ch, UHF 14-69ch	
		CATV	1-135ch (non-scrambled channel only)	
		Digital Terrestrial Broadcast (8VSB)	2-69ch	
		Digital cable ^{*1} (64/256 QAM)	1-135ch (non-scrambled channel only)	
Audio multiplex		BTSC System		
Audio out			10W x 2	
Terminals	Rear	INPUT 1	COMPONENT in	
		INPUT 2	COMPONENT in, S-VIDEO in	
		INPUT 4	ANALOG RGB (PC) in (15-pin mini D-sub female connector), Audio in (Ø 3.5 mm jack)	
		INPUT 6	HDMI in with HDCP, Audio in (Ø 3.5 mm jack)	
		INPUT 7	HDMI in with HDCP	
		INPUT 8	HDMI in with HDCP	
		ANT/CABLE	75Ω Unbalance, F Type x 1 for Analog (VHF/UHF/CATV) and Digital (AIR/CABLE)	
		AUDIO	Audio in (Ø 3.5 mm jack)	
		DIGITAL AUDIO OUTPUT	Optical Digital audio output x 1 (PCM/Dolby Digital)	
		OUTPUT	Audio out	
	RS-232C	9-pin D-sub male connector		
	Side	INPUT 3	AV in	
		INPUT 5	HDMI in with HDCP	
SERVICE		Software update		
OSD language			English/French/Spanish	
Power Requirement			AC 120 V, 60 Hz	
Power Consumption			210 W (0.5 W Standby with AC 120 V)	
Weight	TV + stand		38.6 lbs./17.5 kg	39.7 lbs./18.0 kg
	TV only		32.0 lbs./14.5 kg	33.1 lbs./15.0 kg
Dimension ^{*2} (W g H g D)	TV + stand		38 ⁷ / ₈ g 27 ¹ / ₁₆ g 12 ¹³ / ₁₆ inch	
	TV only		38 ⁷ / ₈ g 24 ¹¹ / ₃₂ g 4 ⁷ / ₃₂ inch	
Operating temperature			e 32°F to e 104°F (0°C to e 40°C)	

¹ Emergency alert messages via Cable are unreceivable.

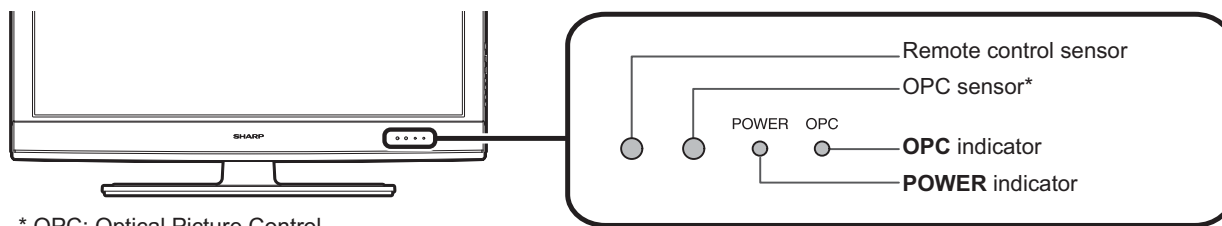
² The dimensional drawings are shown on the inside back cover.

- As part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

CHAPTER 2. OPERATION MANUAL

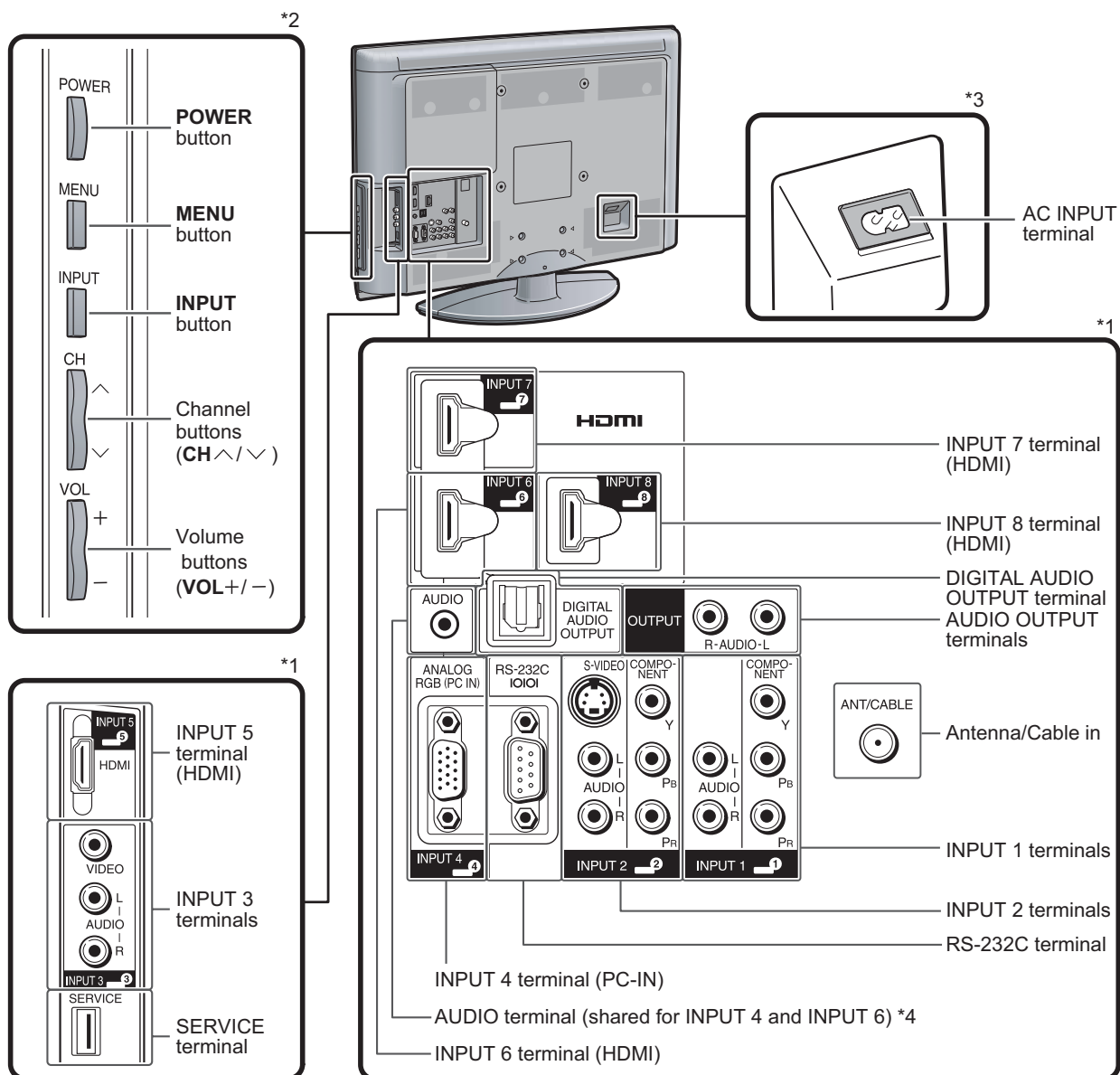
[1] OPERATION MANUAL

TV (Front)



* OPC: Optical Picture Control

TV (Rear/Side)



*1 External equipment connection.

*2 Button operations.

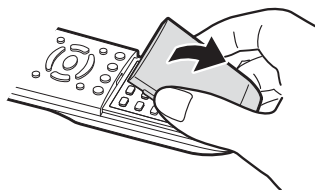
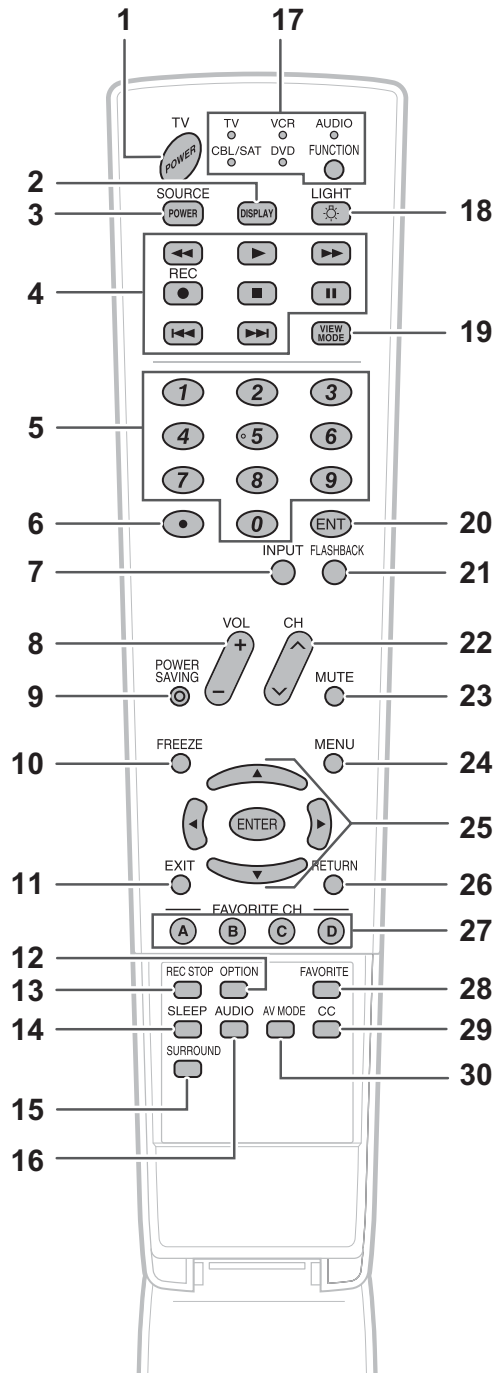
*3 Connecting the AC cord.

*4 Details on the PC Audio Select function.

NOTE

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.

Remote Control Unit



NOTE

- When using the remote control unit, point it at the TV.

- TV POWER:** Switch the TV power on or enter standby.
- DISPLAY:** Display the channel information.
- SOURCE POWER:** Turns the power of the external equipment on and off.
- External equipment operational buttons:** Operate the external equipment.
- 0-9:** Set the channel.
- (DOT)**
- INPUT:** Select a TV input source. (TV, INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5, INPUT 6, INPUT 7, INPUT 8)
- VOL +/- :** Set the volume.
- POWER SAVING:** Select Power Saving settings.
- FREEZE:** Set the still image. Press again to return to normal screen.
- EXIT:** Turn off the menu screen.
- OPTION:** Display the AQUOS LINK MENU screen. This button will function only when AQUOS LINK is used.
- REC STOP:** Stops one touch recording. This button will function only when AQUOS LINK is used.
- SLEEP:** Set the sleep timer.
- SURROUND:** Select Surround settings.
- AUDIO:** Selects the MTS/SAP or the audio mode during multi-channel audio broadcasts.
- FUNCTION:** Switches the remote control for TV, CBL/SAT, VCR, DVD and AUDIO operation. Indicator lights up for the current mode.
* To enter the code registration mode, you need to press **FUNCTION** and **DISPLAY** at the same time.
- LIGHT** : When this button is pressed, some buttons (for example, **VOL +/-** and **CH ^ / v**) on the remote control unit will light. The lighting will turn off if no operations are performed within about 5 seconds. This button is used for performing operations in low-light situations.
- VIEW MODE:** Select the screen size.
- ENT:** Jumps to a channel after selecting with the **0-9** buttons.
- FLASHBACK:** Return to the previous channel or external input mode.
- CH ^ / v :** Select the channel.
- MUTE:** Mute the sound.
- MENU:** Display the menu screen.
- ▲ / ▼ / ◀ / ▶ , ENTER:** Select a desired item on the screen.
- RETURN:** Return to the previous menu screen.
- FAVORITE CH**
A, B, C, D: Select 4 preset favorite channels in 4 different categories.
While watching, you can toggle the selected channels by pressing **A, B, C** and **D**.
- FAVORITE:** Set the favorite channels.
- CC:** Display captions from a closed-caption source.
- AV MODE:** Select an audio or video setting.
(When the input source is TV, INPUT 1, 2 or 3: STANDARD, MOVIE, GAME, USER, DYNAMIC (Fixed), DYNAMIC. When the input source is INPUT 4, 5, 6, 7 or 8: STANDARD, MOVIE, GAME, PC, USER, DYNAMIC (Fixed), DYNAMIC)

QUICK REFERENCE

Attaching the Stand

- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

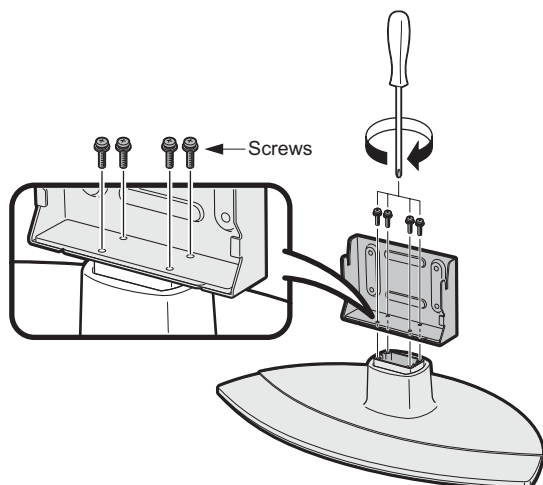
- **Attach the stand in the correct direction.**
- **Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

- 1** Confirm that there are 8 screws supplied with the stand unit.



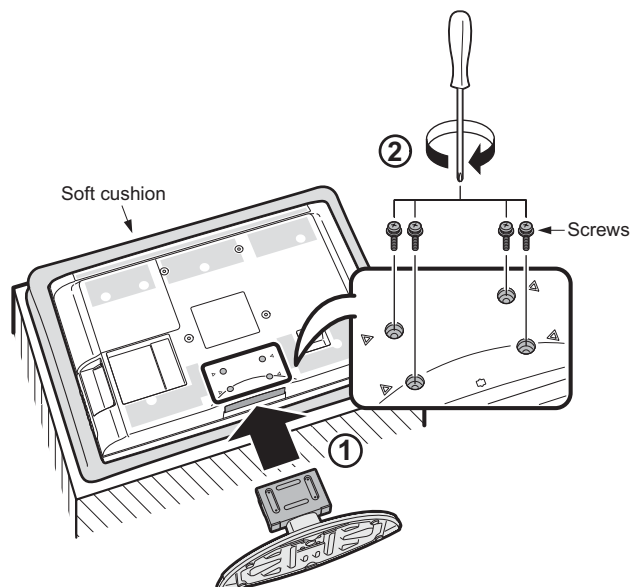
- 2** Attach the supporting post for the stand unit onto the base using the box for the stand unit as shown below.

- The supporting post attaches to the base at an off-centered location on the base. Be sure to attach the supporting post in the direction indicated below and attach the stand to the TV with the wider side of the base facing forward.



- 3** ① Insert the stand into the openings on the bottom of the TV.

- ② Insert and tighten the 4 screws into the 4 holes on the rear of the TV.



NOTE

- To detach the stand, perform the steps in reverse order.

Appendix

Removing the Stand

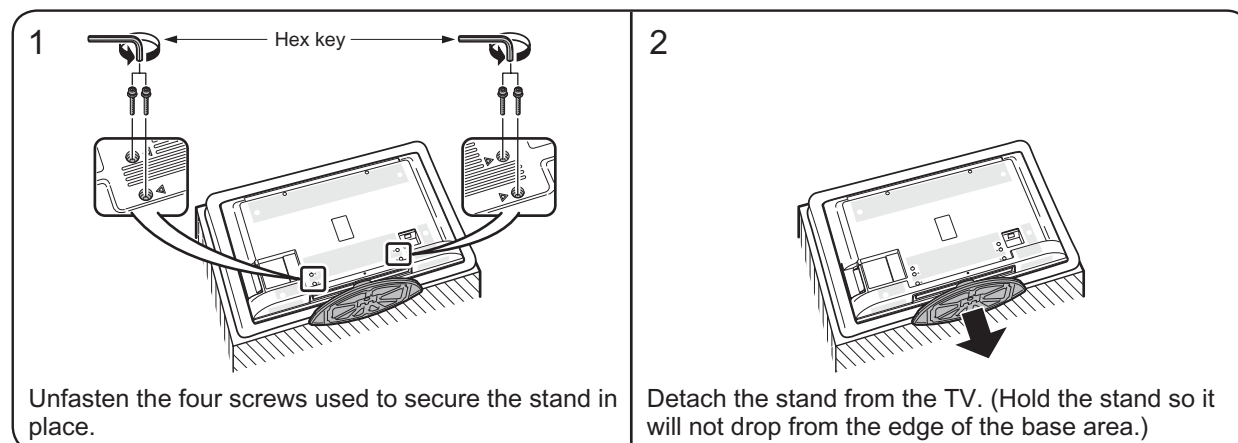
- Before detaching (or attaching) the stand, unplug the AC cord from the AC INPUT terminal.

CAUTION

- Do not remove the stand from the TV unless using an optional wall mount bracket to mount it.

Before attaching/detaching the stand

- Before performing work, make sure to turn off the TV.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.



NOTE

- To attach the stand, perform the above steps in reverse order.

Setting the TV on the Wall

CAUTION

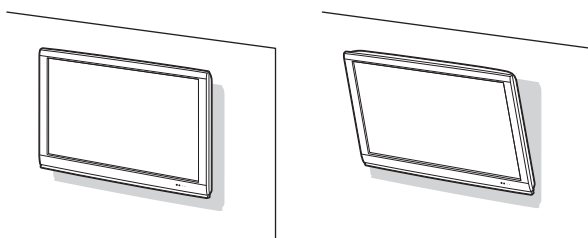
- This TV should be mounted on the wall only with the wall mount bracket AN-52AG4 (SHARP). The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.
- Installing the TV requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.

Using an optional bracket to mount the TV

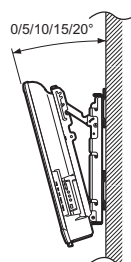
- You can ask a qualified service professional about using an optional AN-52AG4 bracket to mount the TV on the wall.
- Carefully read the instructions that come with the bracket before beginning work.

Hanging on the wall

AN-52AG4 wall mount bracket.
(See the bracket instructions for details.)



About setting the TV angle



- The "d" position is at the center of the display.
- Refer to the operation manual of AN-52AG4 for details.

NOTE

- Detach the cable clamp on the rear of the TV when using the optional mount bracket.
- To use this TV mounted on a wall, remove the covers at the 4 locations on the rear of the TV, and then use the screws supplied with the wall mount bracket to secure the bracket to the rear of the TV.

Appendix

Troubleshooting

Problem	Possible Solution
<ul style="list-style-type: none"> No power 	<ul style="list-style-type: none"> Check if you pressed TV POWER on the remote control unit. If the indicator on the TV does not light up, press POWER on the TV. Is the AC cord disconnected? Has the power been turned on?
<ul style="list-style-type: none"> Unit cannot be operated. 	<ul style="list-style-type: none"> External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning off the power of the TV or unplugging the AC cord and replugging it in after 1 or 2 minutes.
<ul style="list-style-type: none"> Remote control unit does not operate. 	<ul style="list-style-type: none"> Is the FUNCTION set correctly? Set it to the TV setting position. Are batteries inserted with polarity (+, -) aligned? Are batteries worn out? (Replace with new batteries.) Are you using it under strong or fluorescent lighting? Is a fluorescent light illuminated near the remote control sensor?
<ul style="list-style-type: none"> Picture is cut off/with sidebar screen. 	<ul style="list-style-type: none"> Is the image position correct? Are screen mode adjustments such as picture size made correctly?
<ul style="list-style-type: none"> Strange color, light color, or color misalignment 	<ul style="list-style-type: none"> Adjust the picture tone. Is the room too bright? The picture may look dark in a room that is too bright. Check the input signal setting.
<ul style="list-style-type: none"> Power is suddenly turned off. 	<ul style="list-style-type: none"> Is the sleep timer set? Check the power control settings. The unit's internal temperature has increased. Remove any objects blocking vent or clean.
<ul style="list-style-type: none"> No picture 	<ul style="list-style-type: none"> Is connection to other components correct? Is correct input signal source selected after connection? Is the correct input selected? Is picture adjustment correct? Is "On" selected in "Audio Only"? Is a non-compatible signal being input?
<ul style="list-style-type: none"> No sound 	<ul style="list-style-type: none"> Is the volume too low? Is "Variable" selected in "Output Select"? Have you pressed MUTE on the remote control unit?
<ul style="list-style-type: none"> The TV sometimes makes a cracking sound. 	<ul style="list-style-type: none"> This is not a malfunction. This happens when the cabinet slightly expands and contracts according to change in temperature. This does not affect the TV's performance.

Troubleshooting-Digital Broadcasting

The error message about reception of broadcast

The example of an error message displayed on a screen	Possible Solution
<ul style="list-style-type: none"> Failed to receive broadcast. 	<ul style="list-style-type: none"> Check the antenna cable. Check that the antenna is correctly setup.
<ul style="list-style-type: none"> No broadcast now. 	<ul style="list-style-type: none"> Check the broadcast time in the program guide.

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
 - Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the Liquid Crystal panel to malfunction.
- Storage temperature: -4°F to 140°F (-20°C to +60°C)

On-Screen Display Menu

Menu Items

For TV/INPUT 1/2/3 Mode

Picture Menu

OPC
 Backlight
 Contrast
 Brightness
 Color
 Tint
 Sharpness
 Advanced
 C.M.S.-Hue
 C.M.S.-Saturation
 C.M.S.-Value
 Color Temp
 Active Contrast
 Film Mode
 Digital Noise Reduction
 3D-Y/C
 Monochrome
 Range of OPC
 Reset

Audio Menu

Treble
 Bass
 Balance
 Surround
 Bass Enhancer
 Reset

Power Control Menu

Power Saving
 No Signal Off
 No Operation Off

Setup Menu

EZ Setup
 CH Setup
 Input Skip
 Input Label
 Parental CTRL
 Position
 Audio Setup
 Language
 Reset

Option Menu

AQUOS LINK Setup
 Audio Only
 Input Select
 Output Select
 Color System
 Digital Caption Setup
 Digital Caption Info
 Program Title Display
 Favorite CH
 Operation Lock Out
 Demo Mode
 Identification
 Software Update

For HDMI/PC-IN Mode

Picture Menu

OPC
 Backlight
 Contrast
 Brightness
 Color
 Tint
 Sharpness
 Advanced
 C.M.S.-Hue
 C.M.S.-Saturation
 C.M.S.-Value
 Color Temp
 Active Contrast
 Film Mode
 Digital Noise Reduction
 Monochrome
 Range of OPC
 Reset

Audio Menu

Treble
 Bass
 Balance
 Surround
 Bass Enhancer
 Reset

Power Control Menu

Power Saving
 No Signal Off
 No Operation Off

Setup Menu

Input Skip
 Input Label
 Position
 PC Setup
 PC Audio Select
 HDMI Auto View
 Language
 Reset

Option Menu

AQUOS LINK Setup
 Audio Only
 Output Select
 Operation Lock Out
 Demo Mode
 Software Update

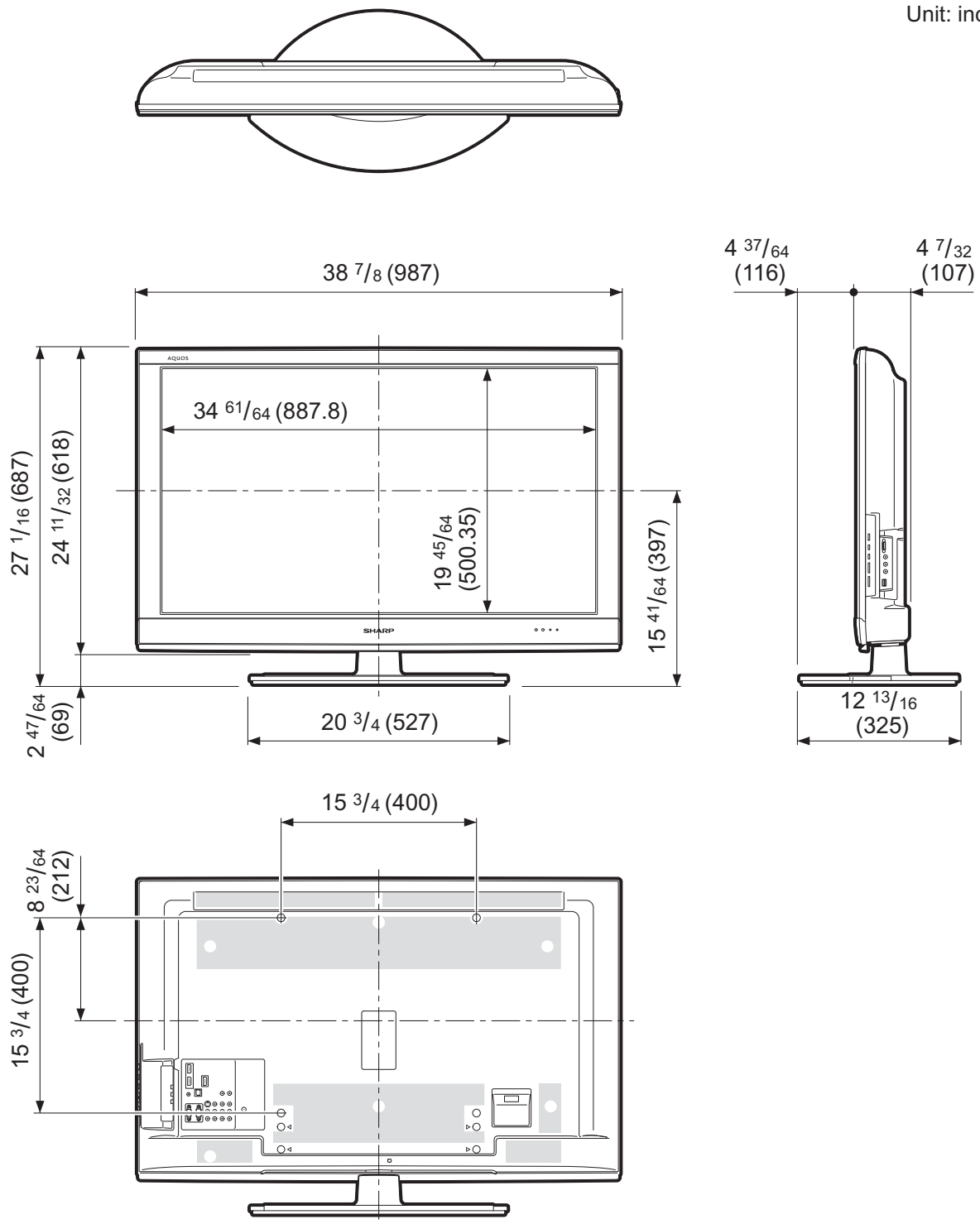
NOTE

- Some menu items may not be displayed depending on the selected input source.

CHAPTER 3. DIMENSIONS

[1] DIMENSIONS

Unit: inch (mm)

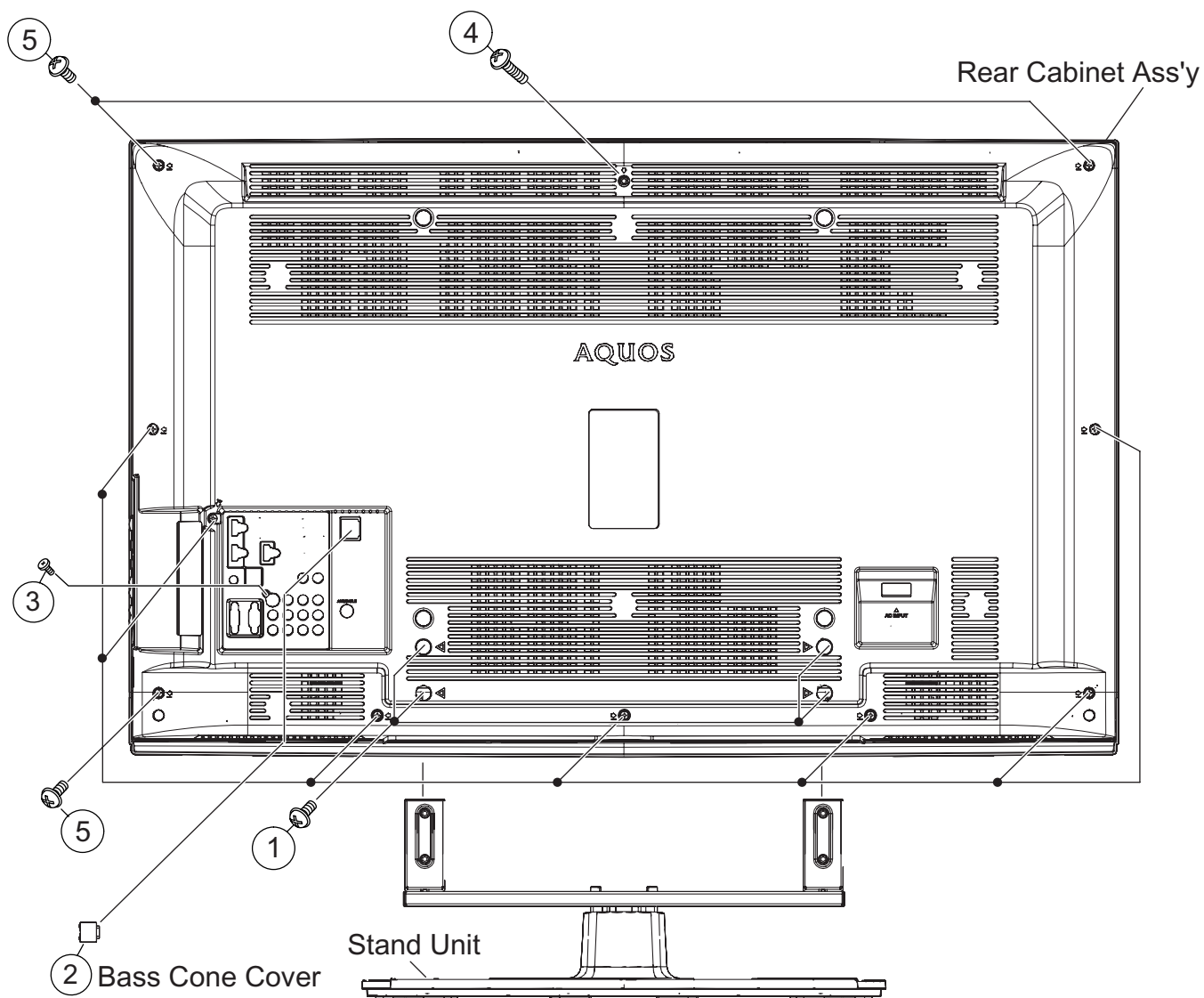


CHAPTER 4. REMOVING OF MAJOR PARTS

[1] REMOVING OF MAJOR PARTS

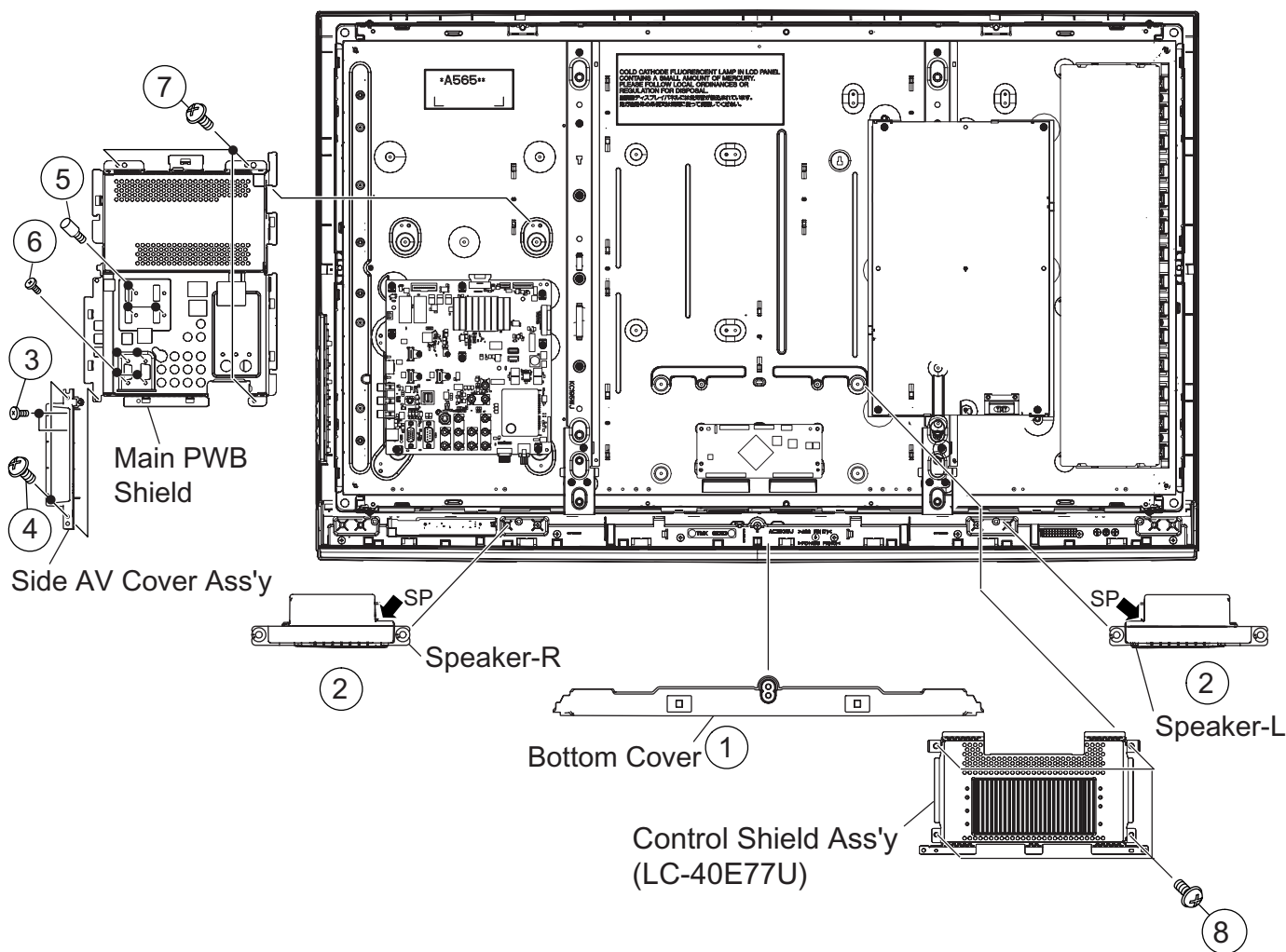
1. Removing of Stand Unit and Rear Cabinet Ass'y.

1. Remove the 4 lock screws (1) and detach the Stand Unit.
2. Detach the Bass Cone Cover (2) .
3. Remove the 1 lock screw (3) , 1 lock screw (4) , 10 lock screws (5) and detach the Rear Cabinet Ass'y.



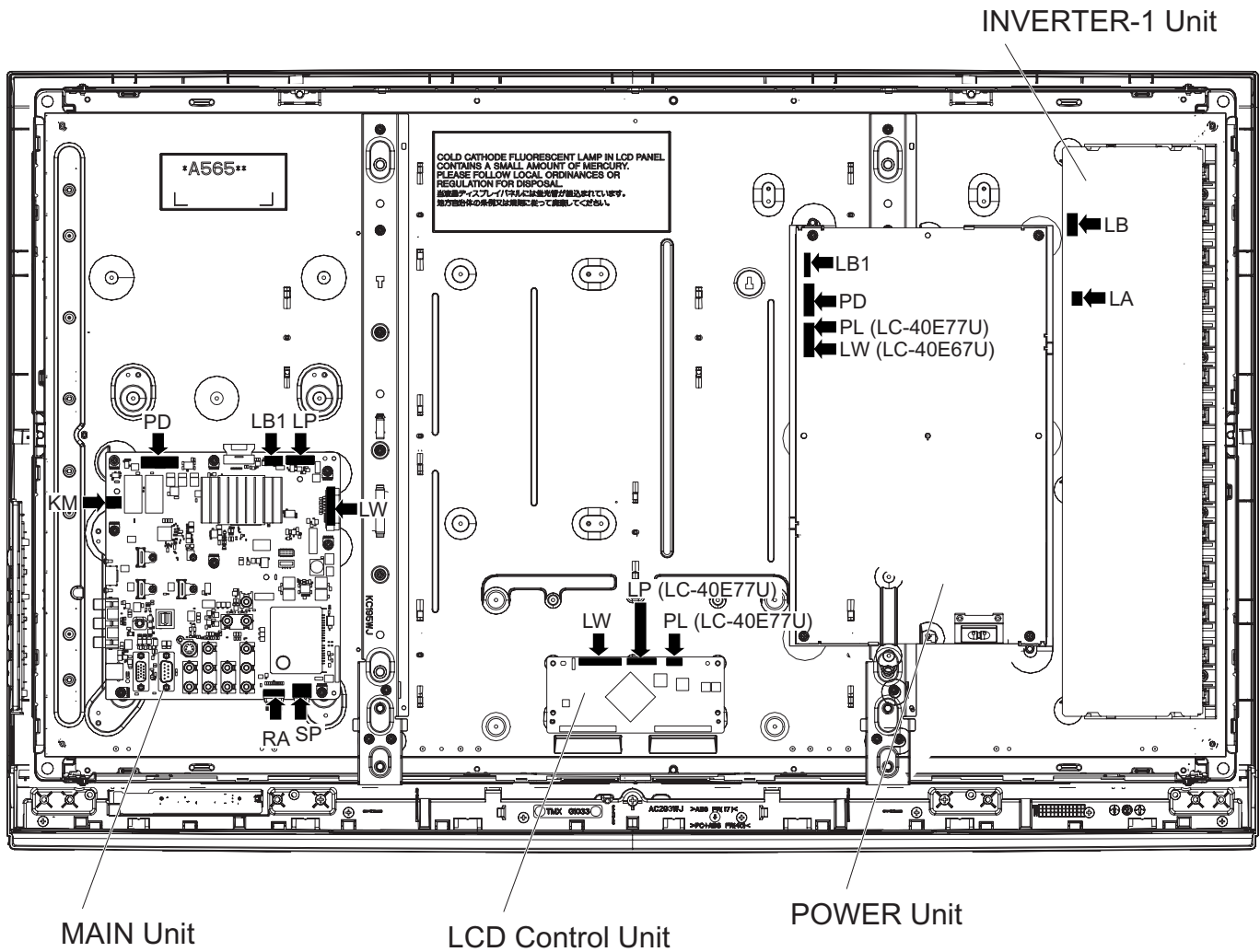
2. Removing of Button Cover,Speaker-L/R, Side AV Cover Ass'y, Main PWB Shield, Control Shield Ass'y.

1. Detach the Bottom Cover ① .
2. Disconnect SP wire and detach the Speaker-L/R ② .
3. Remove the 2 lock screws ③ , 2 lock screws ④ and detach the Side AV Cover Ass'y.
4. Remove the 3 lock screws ⑤ , 4 lock screws ⑥ , 3 lock screws ⑦ and detach the Main PWB Shield.
5. Remove the 4 lock screws ⑧ and detach the Control Shield Ass'y (LC-40E77U).



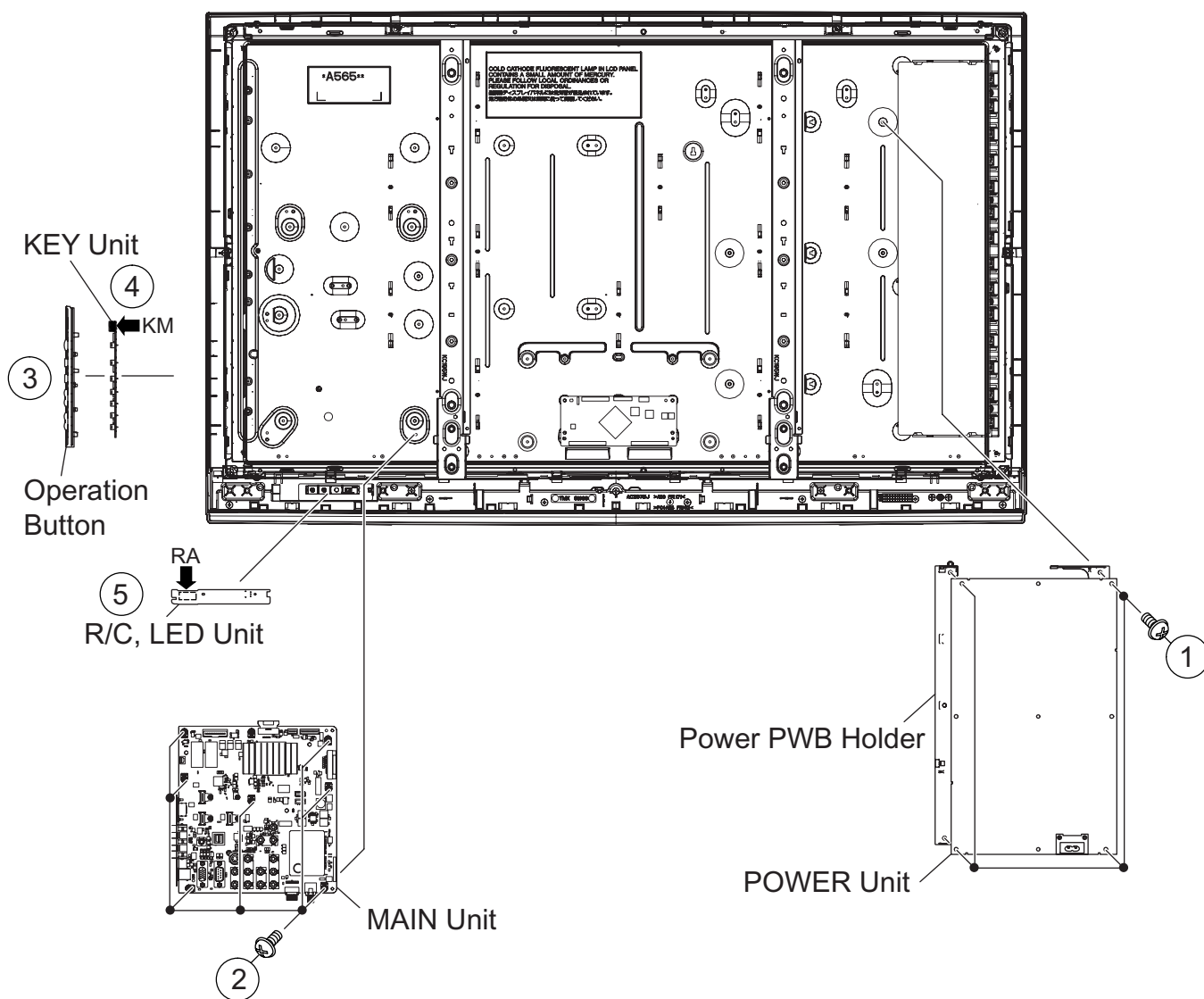
3. Removing of Connectors.

1. Disconnect the following connectors from MAIN Unit. (PD, LB1, LP, LW, KM, RA ,SP)
2. Disconnect the following connectors from POWER Unit. (PD, LB1, LW (LC-40E67U), PL (LC-40E77U))
3. Disconnect the following connectors from LCD Control Unit. (LW, LP (LC-40E77U), PL (LC-40E77U))



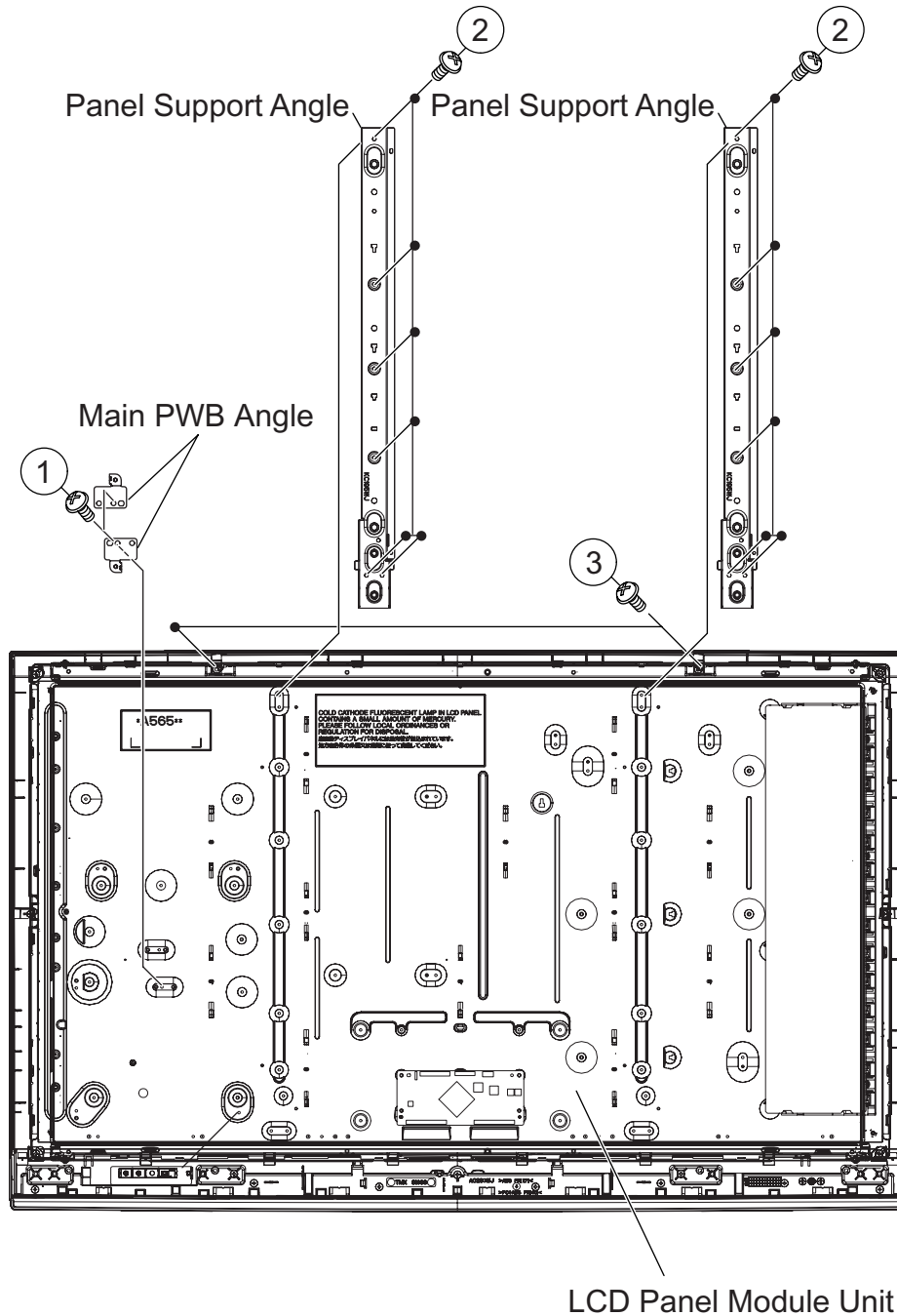
4. Removing of and POWER Unit, MAIN Unit, KEY Unit Ass'y and R/C, LED Unit.

1. Remove the 4 lock screws (1) and detach the POWER Unit, POWER PWB Holder.
2. Remove the 8 lock screws (2) and detach the MAIN Unit.
3. Detacht the KEY Unit Ass'y (3) .
4. Detach the KEY Unit from Operation Button and disconnect KM wire (4) .
5. Detach the R/C LED Unit and disconnect RA wire (5) .



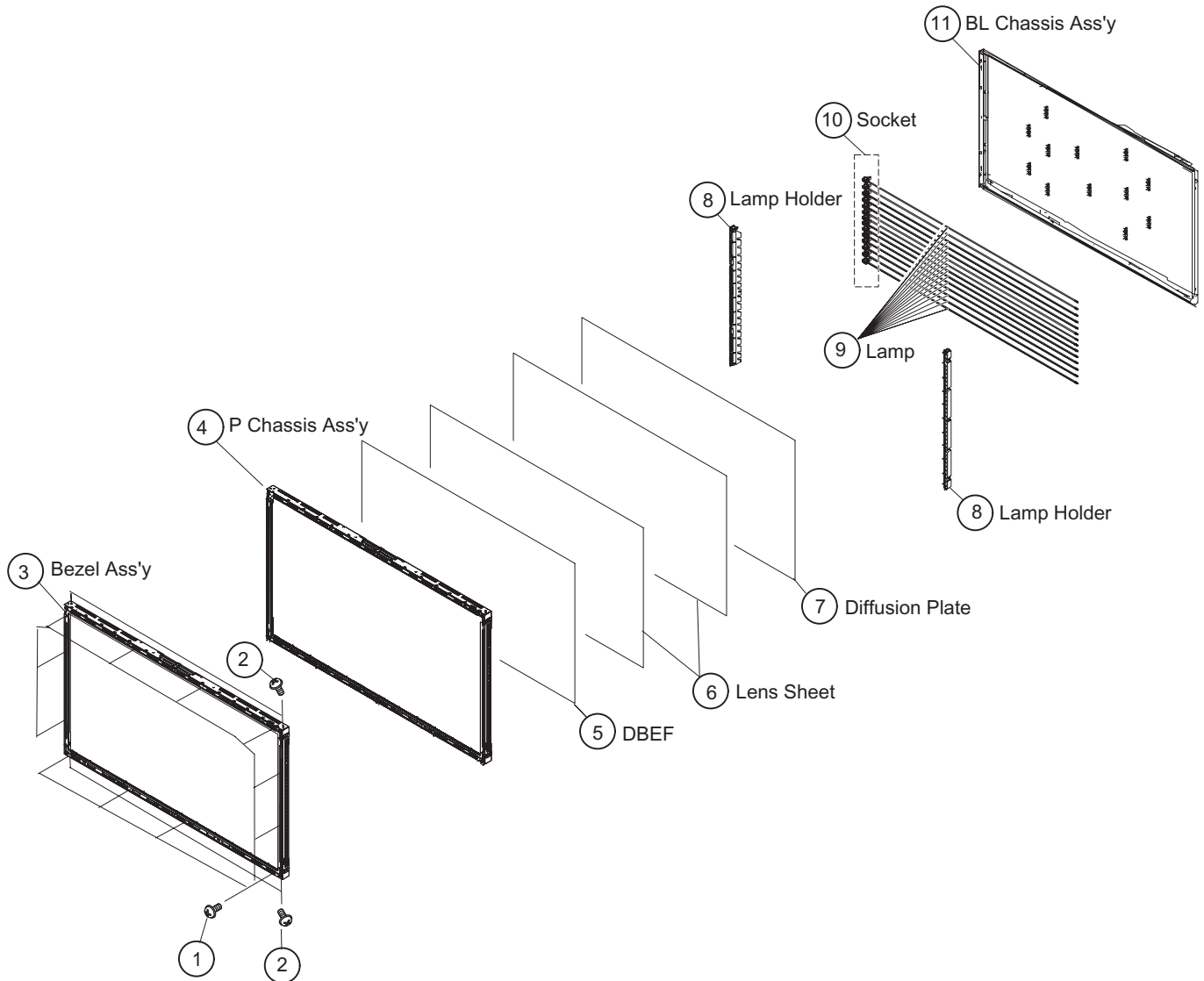
5. Removing of Main PWB Angle, Panel Support Angle and LCD Panel Module Unit.

1. Remove the 2 lock screws (1) and detach the 2 pieces Main PWB Angle.
2. Remove the 12 lock screws (2) and detach the Support Angle.
3. Remove the 2 lock screws (3) and detach the LCD Panel Module Unit.



6. Removing of LCD Panel Module, Lamp.

1. Remove the 12 lock screws (1) , 4 lock screws (2) , and detach the Bezel Ass'y (3) , P Chassis Ass'y (4) .
2. Detach the DBEF (5) , 2 pieces Lens Sheet (6) and Diffusion Plate (7) .
3. Detach the 2 pieces Lamp Holder (8) , Socket (10) , detach the following 14 pieces Lamp (9) from BL Chassis Ass'y (11) .



CHAPTER 5. ADJUSTMENT

[1] ADJUSTMENT PROCEDURE

The adjustment values are set to the optimum conditions at the factory before shipping. If a value should become improper or an adjustment is required due to part replacement, make an adjustment according to the following procedure.

1. After replacement of any PWB unit and/or IC for repair, please note the following.

- When replacing the following units, make sure to prepare the new units loaded with updated software.
MAIN Unit: DUNTKF030FM10 (LC-40E67U)/DUNTKF030FM14 (LC-40E77U)
- When replacing the LCD control PWB, perform the VCOM adjustment.

2. Upgrading of each microprocessor software

CAUTION: Never "POWER OFF" the unit when software upgrade is ongoing.

Otherwise the system may be damaged beyond recovery.

2.1. Software version upgrade

The model employs the following software.

- Main software
- Monitor microprocessor software

The main software can be upgraded by using a general-purpose USB Memory.

The monitor microprocessor software can be upgraded with E8 Emulator Debugger.

The followings are the procedures for upgrading, explained separately for the main software, monitor microprocessor software.

2.2. Main software version upgrade

2.2.1 Get ready before you start

- USB Memory of 128MB or higher capacity.
- PC running on Windows 98/98SE/ME/2000/XP operating system.
- USB Memory reader/writer or PC with a USB port.
- The file system of a USB memory is FAT. (FAT32 is not applied)
- Use the USB memory without other functions. (Lock and memory reader...etc)

2.2.2 Preparations

To upgrade the main software, it is necessary to get ready the USB Memory for version upgrade before you start.

Follow the steps below and create the USB Memory for version upgrade.

1. Copy the file AFU_M_xxxAx.bin for version upgrade to the root directory (folder) of the USB Memory.

NOTE: In the USB Memory drive, do not store other folders or unrelated files, or more than one file for version upgrade.

Now the USB Memory for version upgrade is ready.

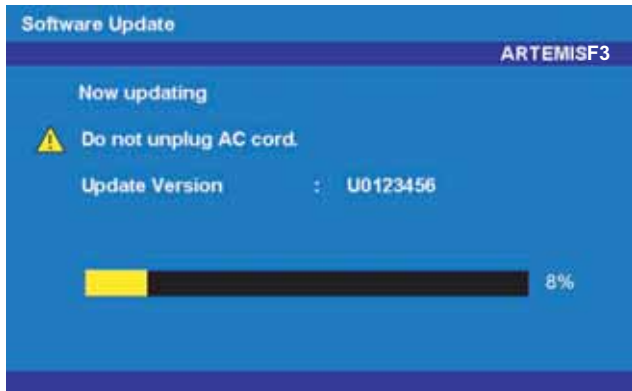
2.2.3 How to upgrade the software

1. Unplug the AC cord.
2. Insert the USB Memory for version upgrade (prepared as above) into the service socket located Right side of Main Board terminals, under INPUT3 terminal.
3. Plug in the AC cord with power button pressed down after 5 seconds, releases the power button.

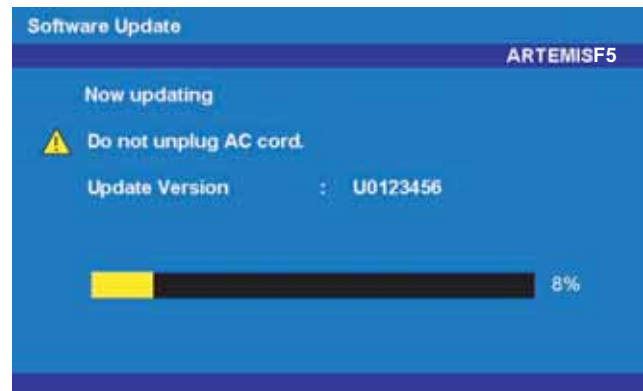
LC-40E67U/LC-40E77U

4. After the unit startup, the system upgrade screen as shown below appears within 10-40 seconds.

LC-40E67U

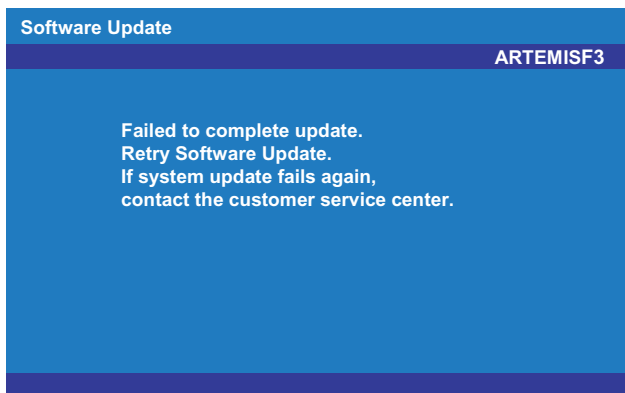


LC-40E77U

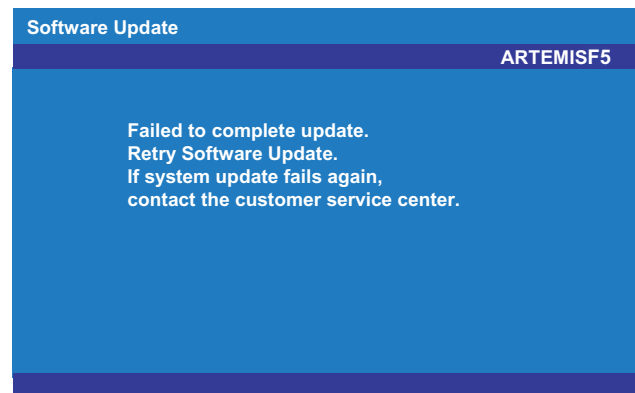


5. Even a single failure in the process will trigger the upgrade failure screen.

LC-40E67U



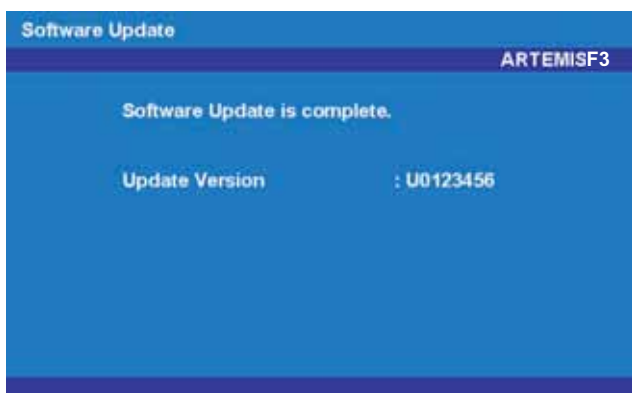
LC-40E77U



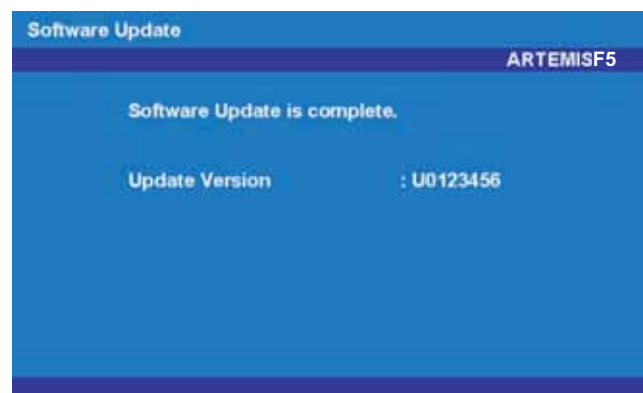
NOTE: In the event of a failure, repeat the upgrade process. If the process repeatedly fails, it is likely that the hardware need fixing.

6. Upon completion of the whole process, the upgrade success screen as shown below appears. You can check the new software version on this screen. The version information appears after the upgrade is complete.

LC-40E67U



LC-40E77U



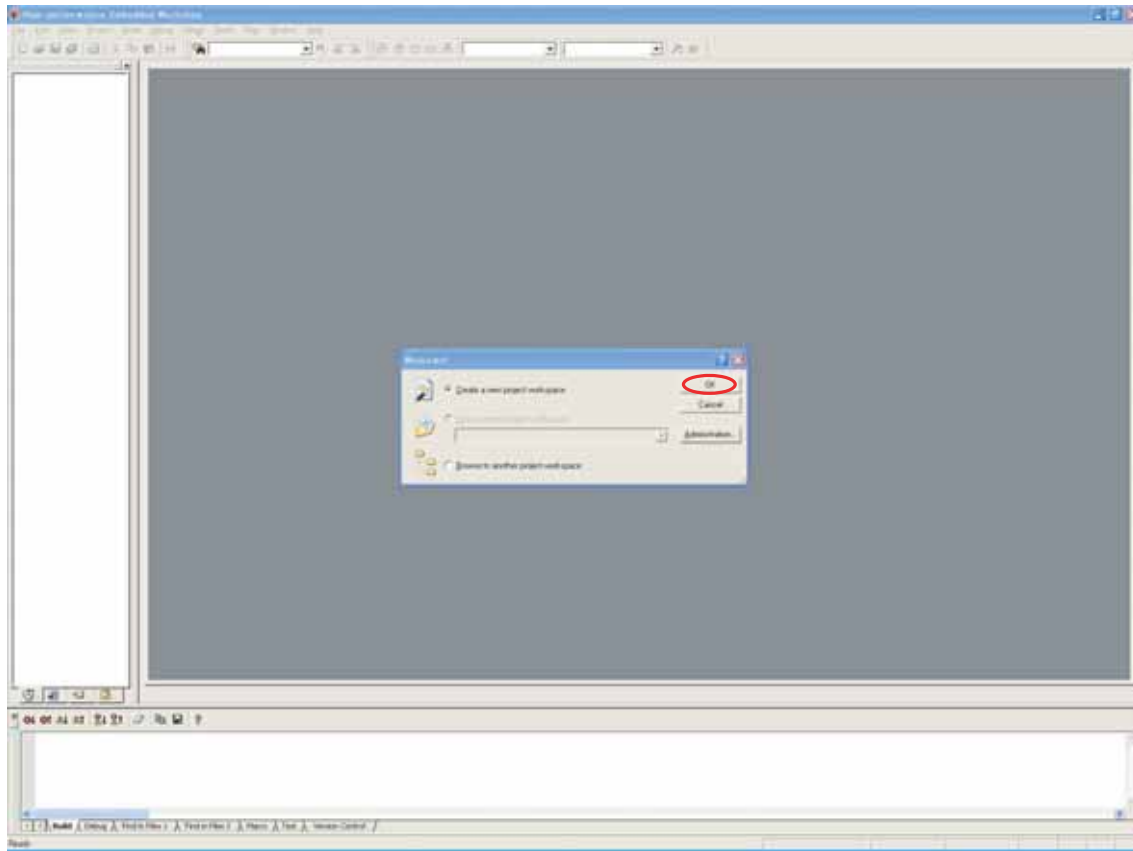
7. Unplug the AC cord and remove the USB Memory for version upgrade.

8. Now the software version upgrade is complete.

NOTE: When you are done with the software version upgrade, start the set, go to the top page of the adjustment process screen and check the main software version information.

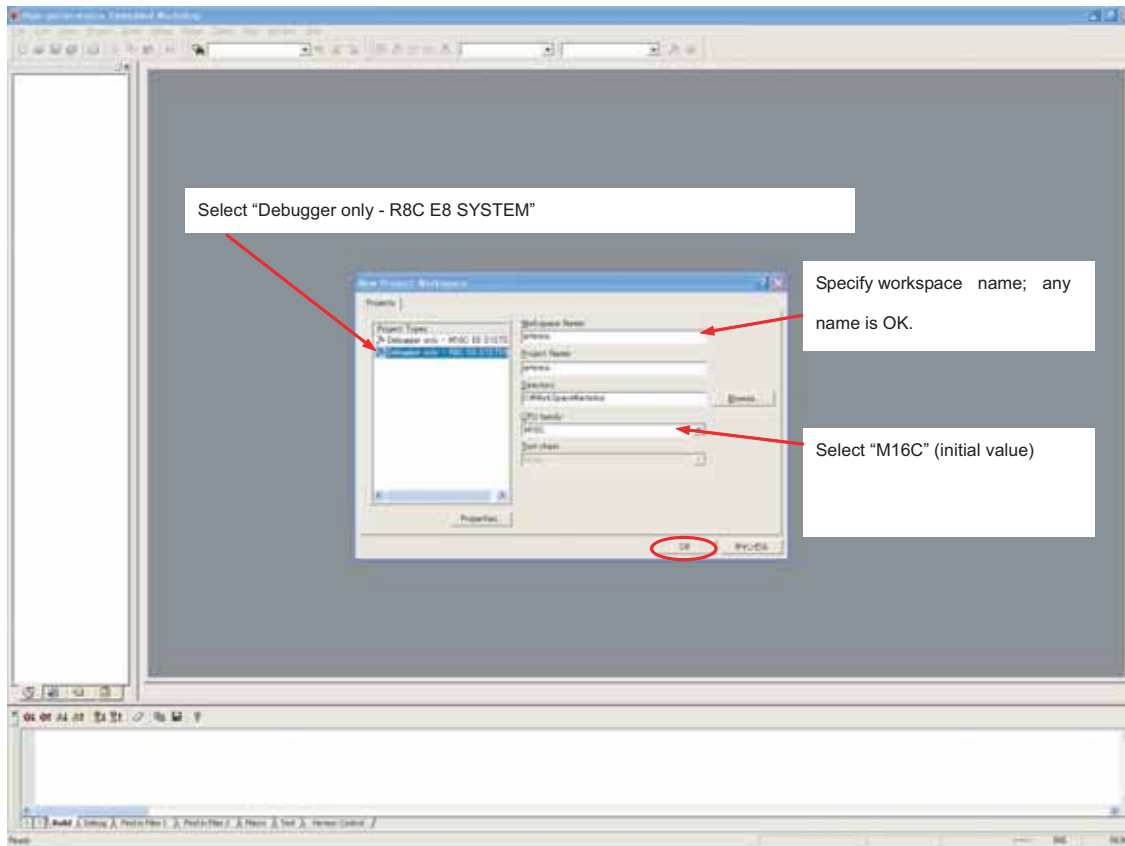
2.3. Monitor microprocessor software version upgrade

- 1) Download “E8 Emulator” from Renesas Web site and install it.
<http://america.renesas.com/sensitivity.do?downloadId=C2003512>
 Product Name: E8 Emulator Software V.2.11 Release 01 for M16C, H8 Upgrade (Debugger package version) Oct.24.08
- 2) Connect E8 Emulator Debugger to PC from USB port. (Driver of “E8 Emulator Debugger” found in CD-ROM.)
- 3) Connect E8 writer to LCD’s 20PIN port.
- 4) Run “High Performance Embedded Workshop” in start menu.
- 5) Confirm the screen below comes up and click “OK”.



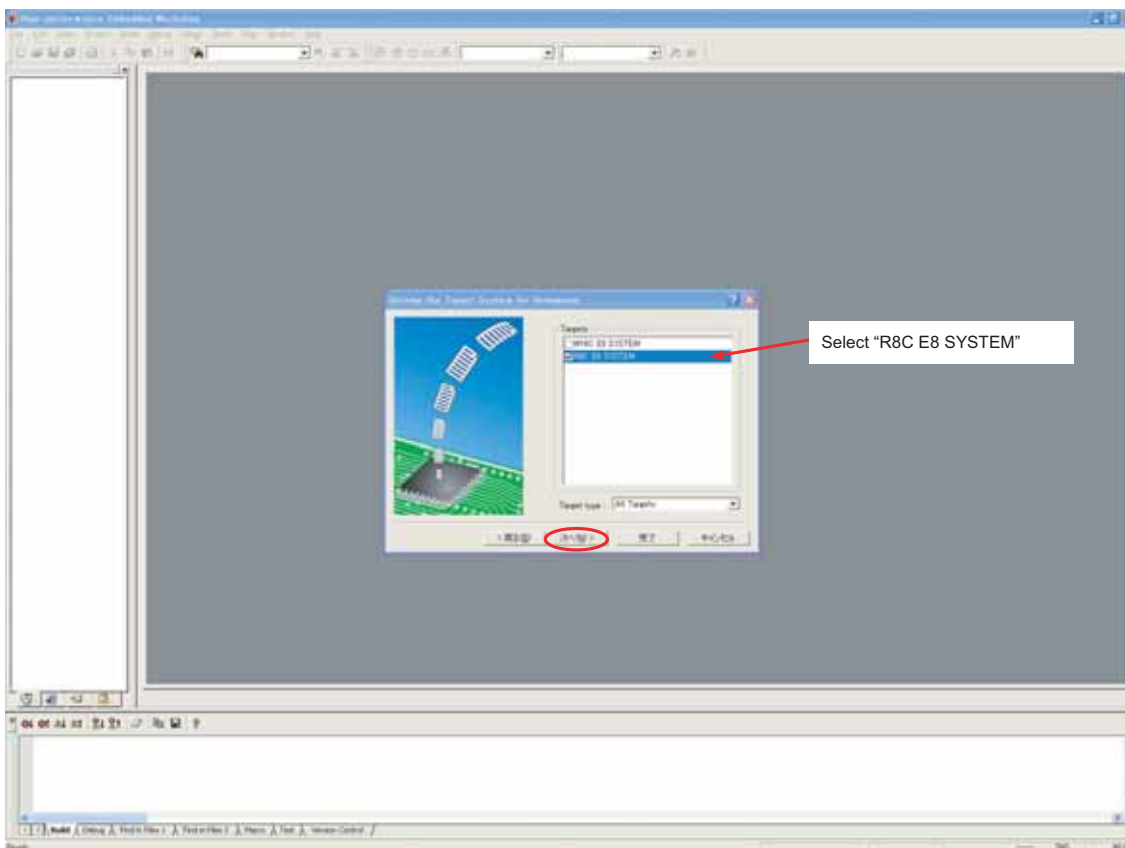
If second time, you can select “open a recent project work”.
 Choose “OK”.

6) In the next page input information as specified below and click “OK”.



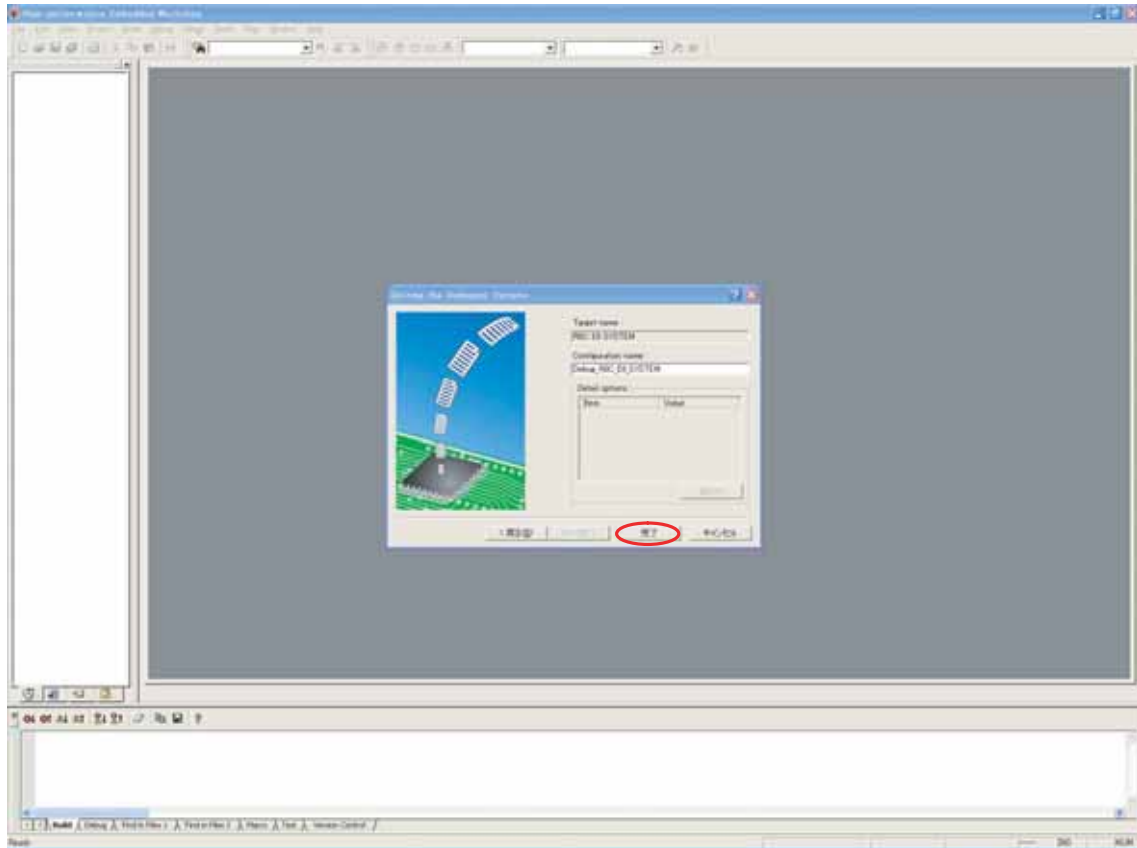
7) Select entry as below and click “次へ (N)”

* “次へ (N)” means “NEXT”

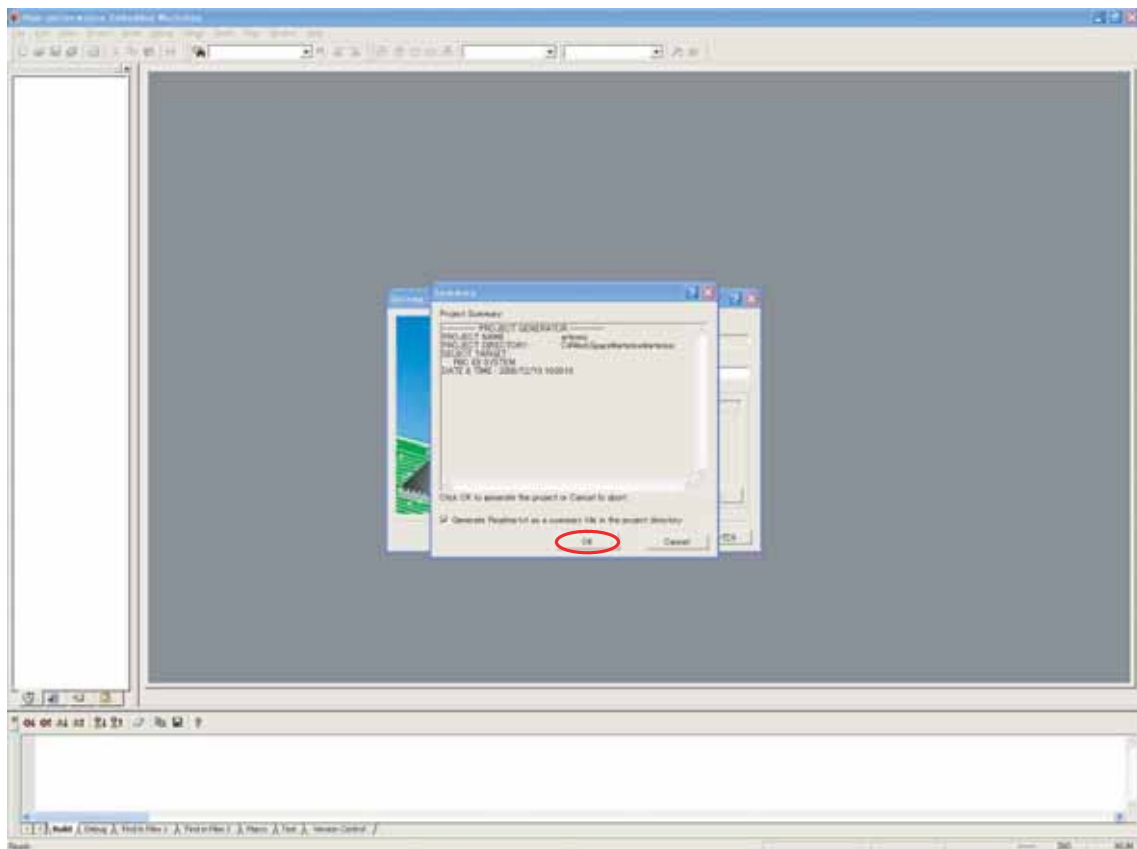


8) click “完了”.

* “完了” means “COMPLETE”.

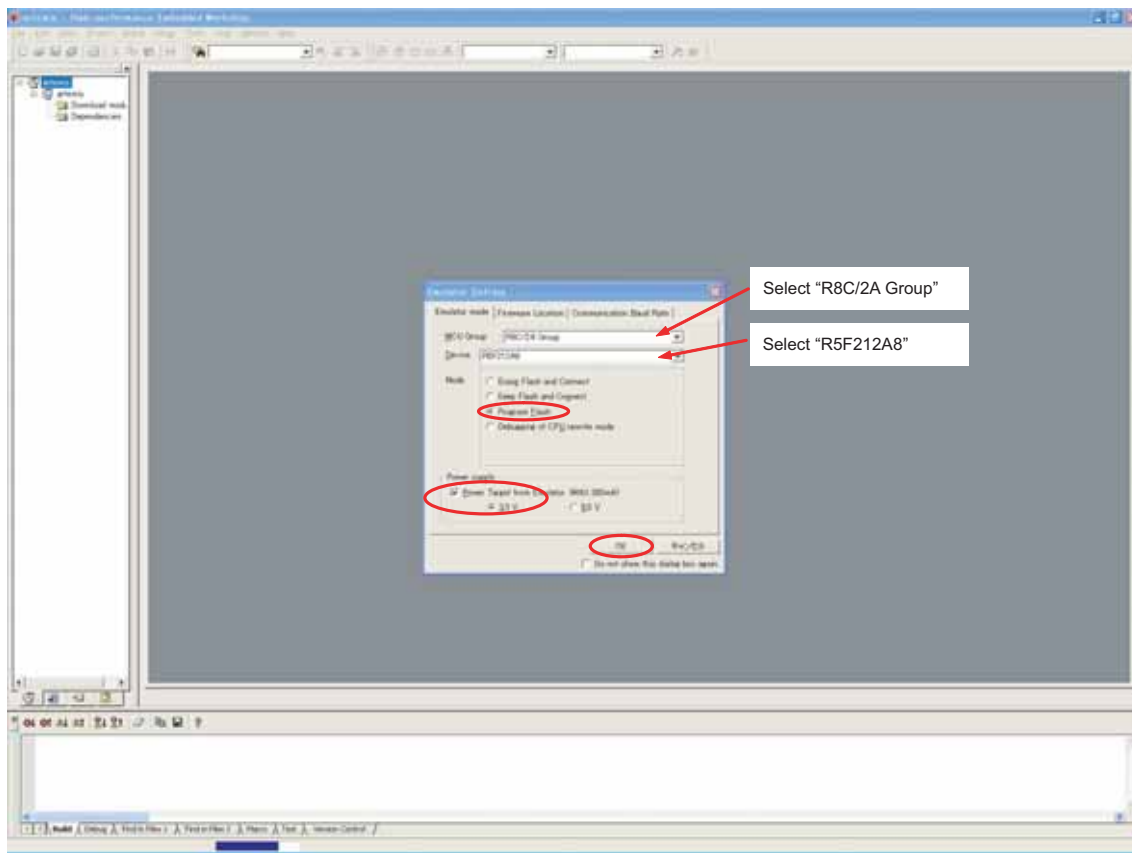


9) Click “OK”.



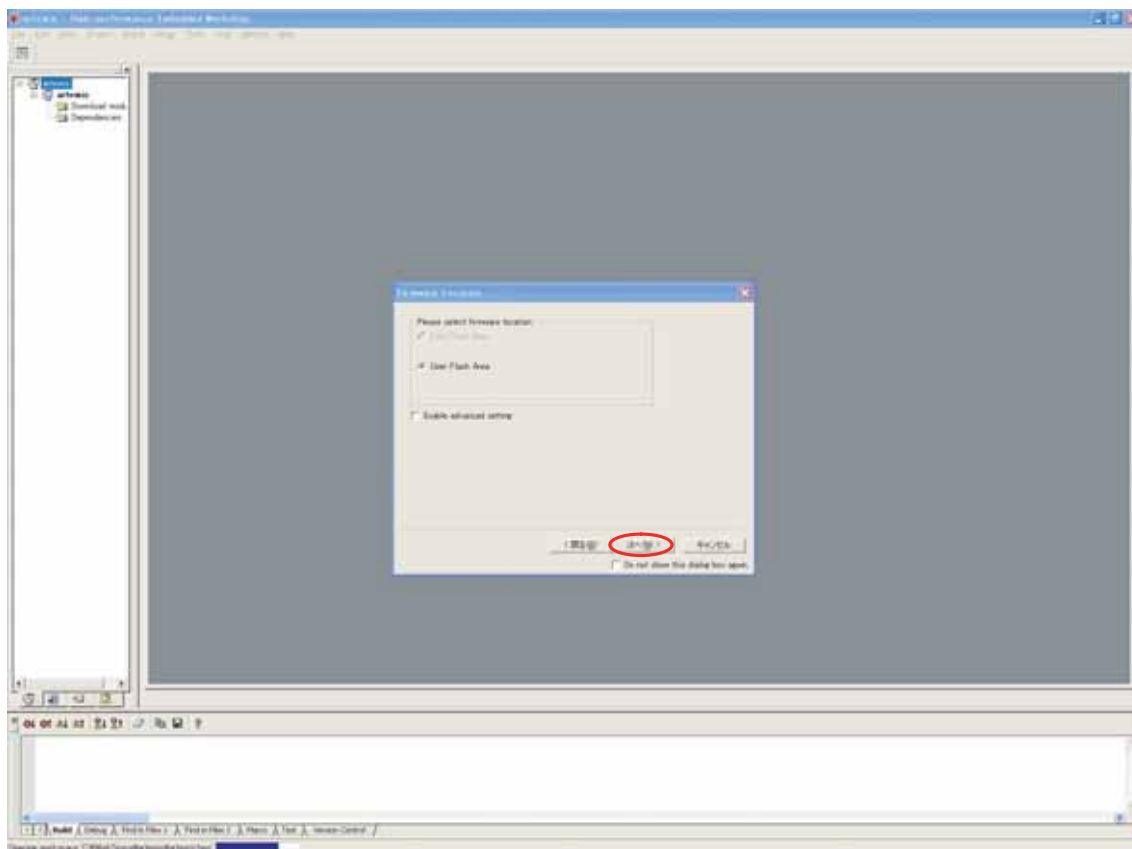
LC-40E67U/LC-40E77U

10) Select entries as specified below and click “OK”.



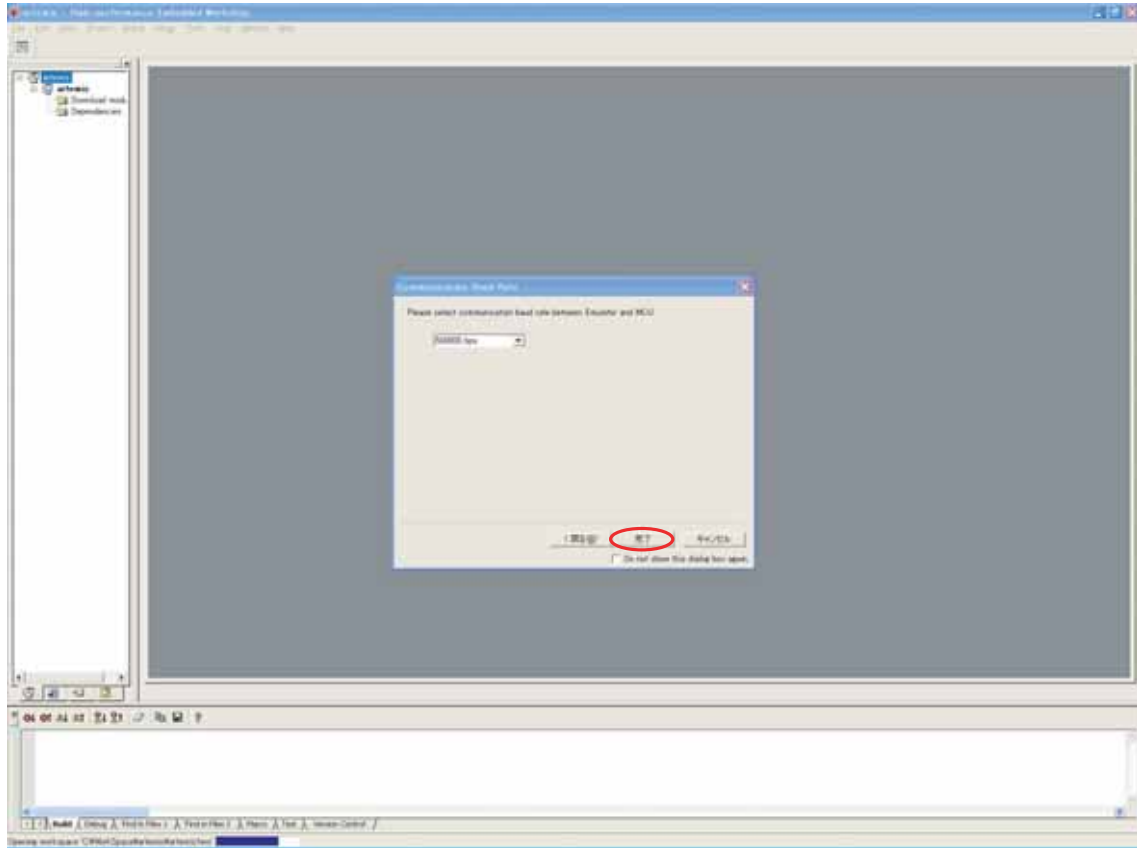
11) Click “次へ (N)”.

* “次へ” means “NEXT”.

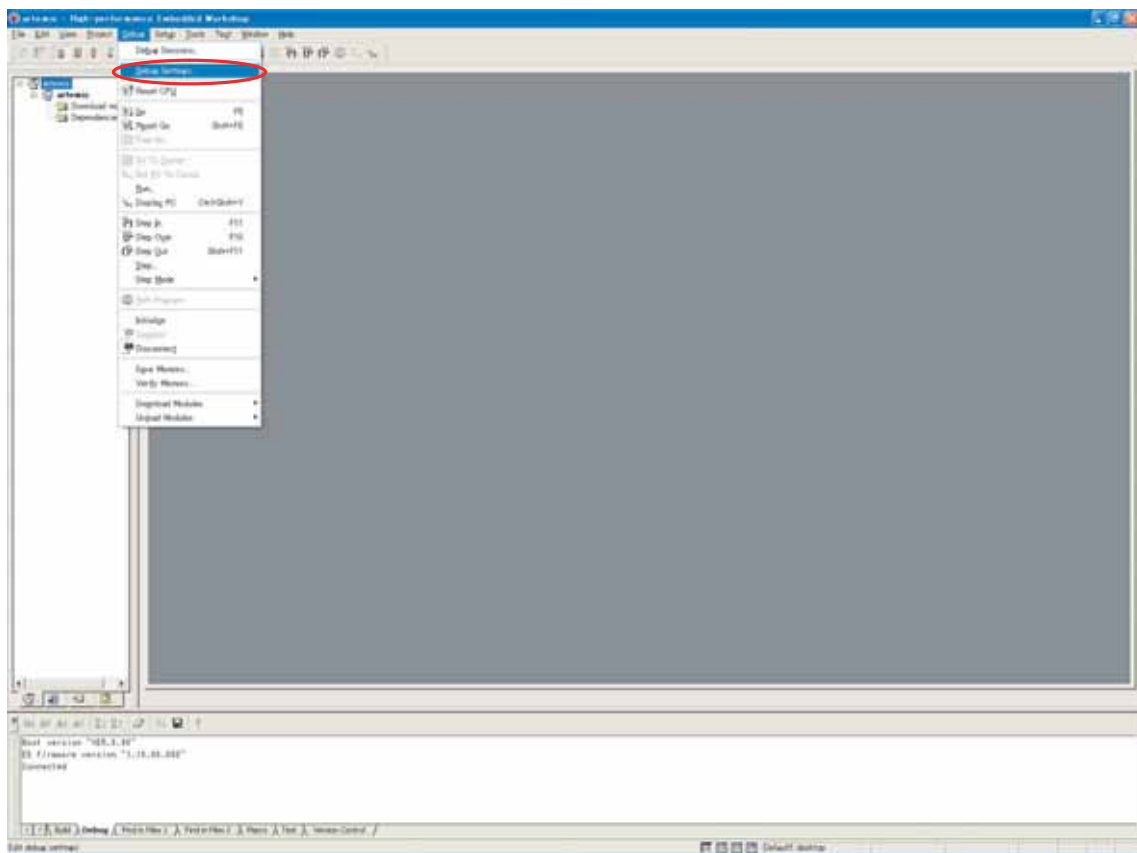


12)Click “完了”

* “完了” means “COMPLETE”.

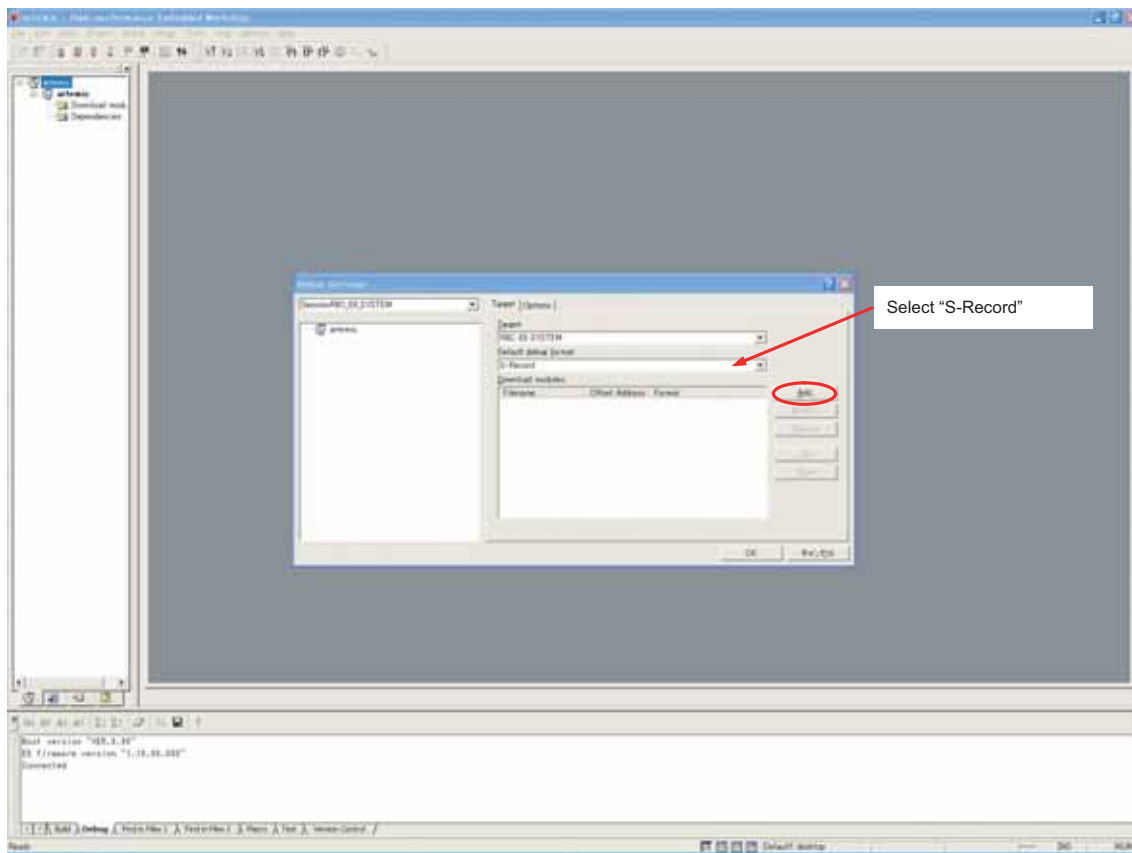


13) In the screen below, click "Debug Settings".

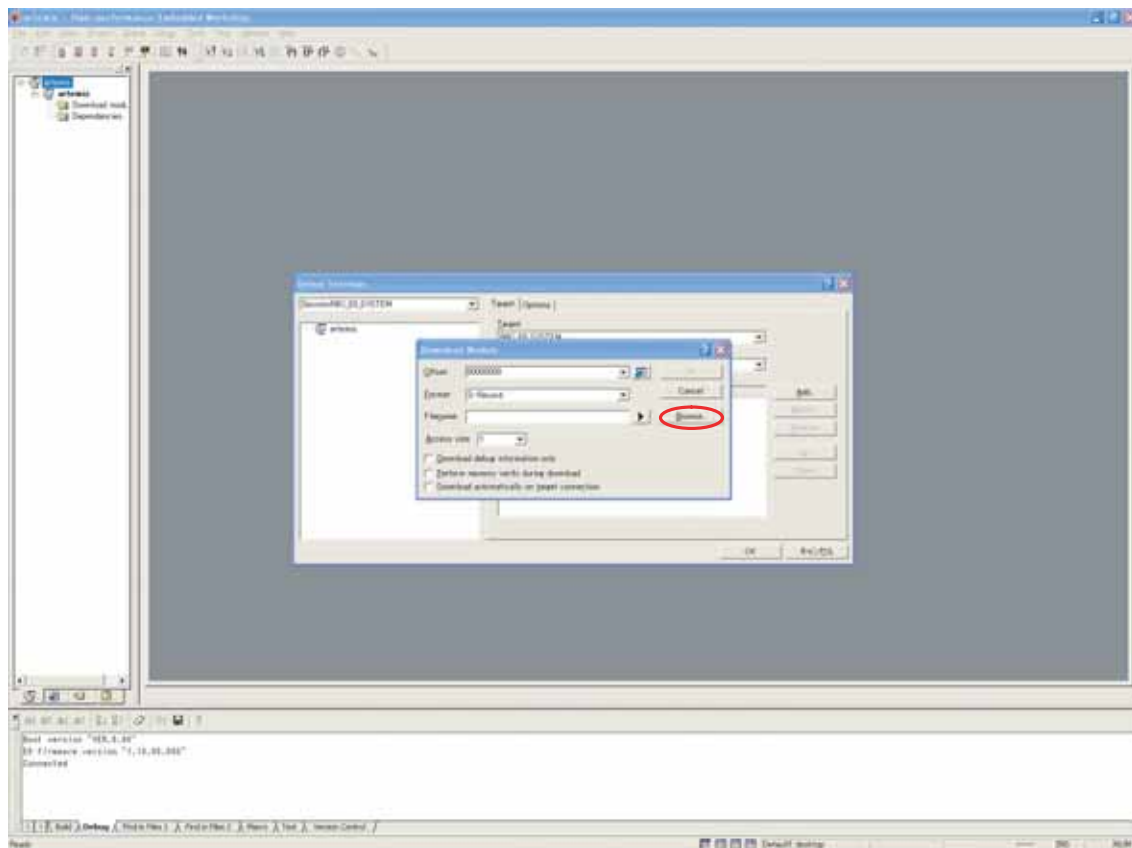


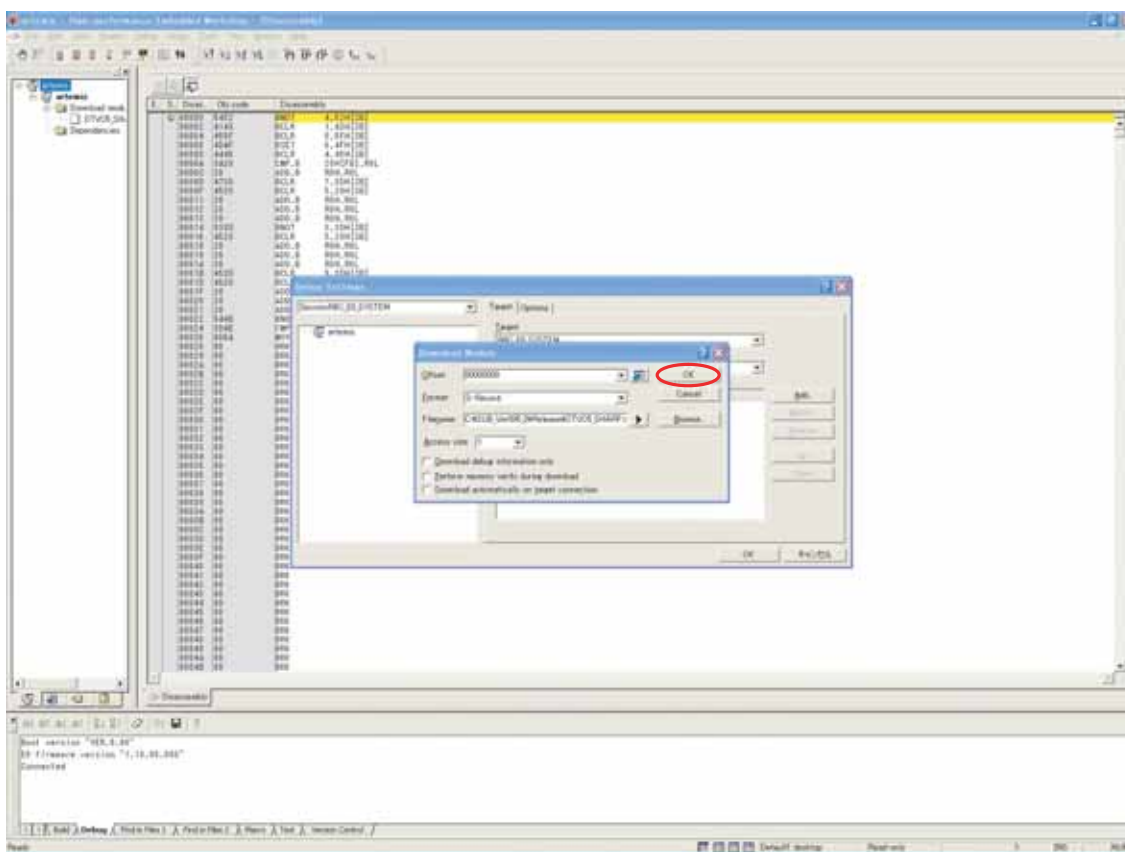
LC-40E67U/LC-40E77U

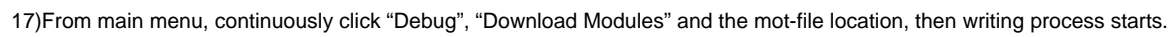
14) Select "S-Record" and click "Add".



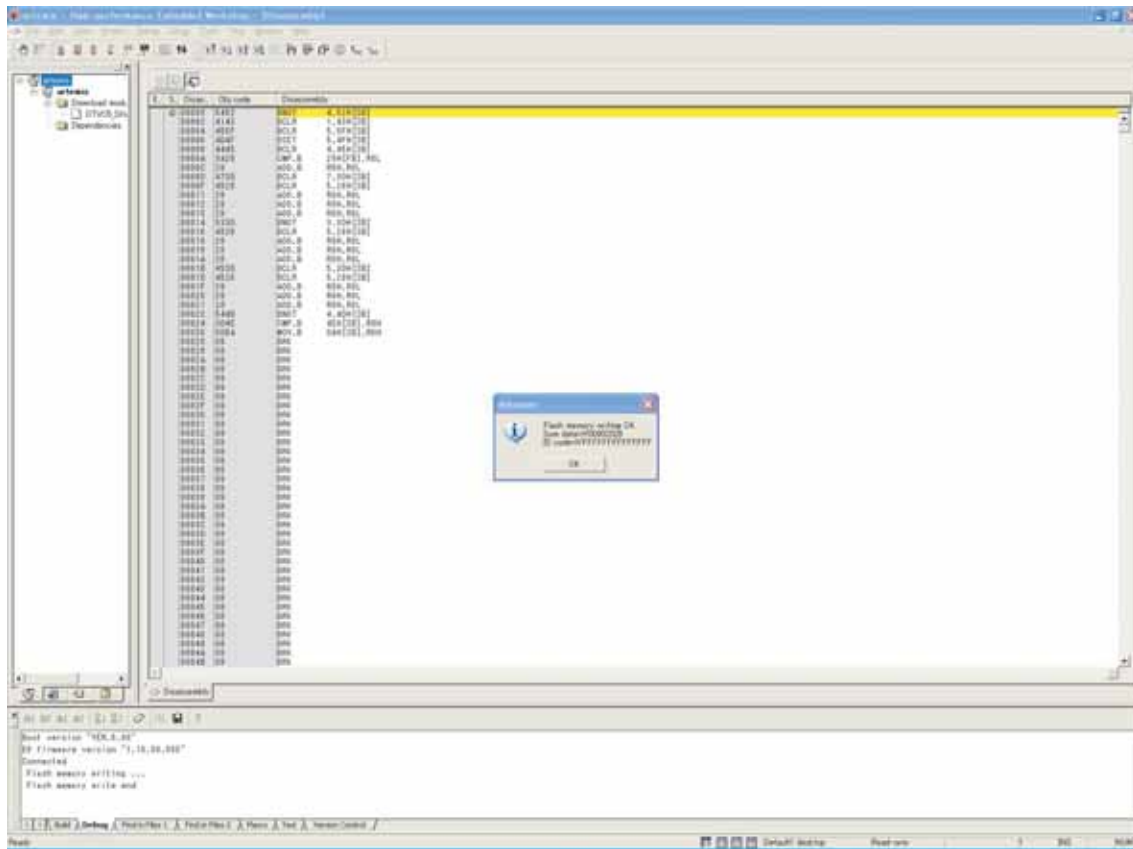
15) Click "Browse" and specify the location of mot-file.









18) Confirm the dialog-box below appears. It means the writing process completed successfully



Then shut down "High Performance Embedded Workshop", unplug 20PIN connector, and E8 firmware updating finish.



3. Entering and exiting the adjustment process mode

- 1) Before entering the adjustment process mode, the AV position RESET in the video adjustment menu.
 - 2) While holding down the "VOL (-)" and "INPUT" keys at a time, plug in the AC cord of the main unit to turn on the power.
The letter "<K>" appears on the screen.
 - 3) Next, hold down the "VOL (-)" and "CH ()" keys at a time.
(The "VOL (-)" and "CH ()" keys should be pressed and held until the display appears.)
Multiple lines of white characters appearing on the display indicate that the unit is now in the adjustment process mode.
When you fail to enter the adjustment process mode (the display is the same as normal startup), retry the procedure.
 - 4) To exit the adjustment process mode after the adjustment is done, unplug the AC cord from the outlet to make a forced shutdown. (When the power was turned off with the remote controller, once unplug the AC cord and plug it again. In this case, wait 10 seconds or so before plugging.)
- CAUTION: Use due care in handling the information described here lest your users should know how to enter the adjustment process mode. If the settings are tampered in this mode, unrecoverable system damage may result.

4. Remote controller key operation in adjustment process mode

Basic operation

Selecting the receiving channels

- * Using the CH ()/() keys, turn up and down an actual receiving channel.
Snap press: The channels are turned up and down one by one.
Continuous press: The next receivable channel is searched.
- * Various adjustments: The items are adjusted one by one by selecting on the menu screen and using the cursor key and VOL(+)(-) keys.
- * With the CURSOR UP/DOWN keys, select an adjustment item.
- * Using the MENU key, the adjustment items are selected one after another. When the bottom item on a page is already selected and the MENU key is pressed, the top item on the next page is selected.
- * If any item on a page is selected and the preset key is pressed, the top item on the next page is selected.
Page1- Page2- Page3- Page7- Page9- Page10...
- * If any item on a page is selected and the manual memory key is pressed, the top item on the same page is selected.
- * Using the CURSOR LEFT/RIGHT keys and VOL (+) (-) keys, turn up and down the setting of a selected item.
Hierarchical shift
- * When the ENTER key is pressed on any item other than I2C DATA on page 2, the setting page of the item shows up.
- * To quit the setting page, press the front screen key.

5. List of adjustment process mode menu

Top hierarchical menu item

Page	Item	Description	Remarks (adjustment detail, etc.)
1	MODEL INCH SIZE ERROR NO RESET PUBLIC MODE V-CHIP CANADIAN VCHIP EXT CONTROL TEMPERATURE SYSCON VER ROM C5 VER ROM BOOT VER ROM	Number of termination due to lamp error and Reset Public mode Monitor software version Main software version	
2	I2C DATA I2C DATA SOUND TUNER DVP DVP-M2 OTHERS HOTEL POWERFIX		Refer to SOUND Refer to TUNER Refer to DVP Refer to DVP-M2 Refer to OTHERS

The second hierarchical menu item

SOUND			
Page	Item	Description	Remarks (adjustment detail, etc.)
SOUND1	Audio Switch Output Trim Flat Mode Sound Delay Lipsync PRESCALE FM/AM-M PRESCALE DTV PRESCALE HDMI PRESCALE PC PRESCALE AV PRESCALE BD		
SOUND2	PEQ1 GAIN PEQ2 GAIN PEQ3 GAIN PEQ4 GAIN PEQ5 GAIN PEQ6 GAIN PEQ7 GAIN		
SOUND3	PEQ1 Fc PEQ2 Fc PEQ3 Fc PEQ4 Fc PEQ5 Fc PEQ6 Fc PEQ7 Fc PEQ1 Q PEQ2 Q PEQ3 Q PEQ4 Q PEQ5 Q PEQ6 Q PEQ7 Q		

SOUND			
Page	Item	Description	Remarks (adjustment detail, etc.)
SOUND4	Sub Sonic Filter		
	Sub Sonic Filter Fc		
	Virtual Surround		
	Band LPF Fc		
	Band HPF Fc		
	AGC Switch		
	AGC Mode		
	AGC Gain Max		
	AGC Gain Min		
	AGC Threshold		
	AGC Attack Time		
	AGC Release Time		
	Harmonic Switch		
	Harmonic Mode		
	Harmonic Gain		
	Harmonic LPF		
	Harmonic HPF		
SOUND5	DRC Switch		
	DRC Threshold LPF		
	DRC Threshold HPF		
	DRC Ratio		
	DRC Attack Time		
	DRC Release Time		
	DRC LPF Fc		
	DRC HPF Fc		

TUNER			
Page	Item	Description	Remarks (adjustment detail, etc.)
TUNER1	TUNER SWITCH		
	AFT UP		
	AFT DOWN		
	LSYNC		
	HSYNC		
	LSYNC2		
	HSYNC2		
	SYNCSEP_HC		
	SYNCSEP_HLC		
	SYNCSEP_HMC		
	SEP_SLV		
TUNER2	AFT 1STEPTIME		

DVP			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP1	TAMP1 L		
	YDATA1		
	TAMP1 H		
	TAMP ALL		
	NTSC TAMP1	TUNER signal level adjustment	
	PAL-M TAMP		
	PAL-N TAMP		
DVP2-1	IN 1	Standard value 1	Adjustment gradation setting.
	IN 2	Standard value 2	
	IN 3	Standard value 3	
	IN 4	Standard value 4	
	IN 5	Standard value 5	
	IN 6	Standard value 6	

[illegible]

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 1	DVP TEST PATTERN ENDPOINT STARTPOINT PQ SWITCH STD COLOR OFFSET STD TINT OFFSET ETC COLOR OFFSET ETC TINT OFFSET		
DVP-M2 2	N358 TV CONT N358 TV BRIGHT N358 TV COLOR N358 TV TINT N358 TV SHARP V1 OVER N358 TV SHARP V1 UNDER N358 TV SHARP V2 OVER N358 TV SHARP V2 UNDER N358 TV SHARP H1 OVER N358 TV SHARP H1 UNDER N358 TV SHARP H2 OVER N358 TV SHARP H2 UNDER N358 TV SHARP H3 OVER N358 TV SHARP H3 UNDER		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 3	N358 AV CONT N358 AV BRIGHT N358 AV COLOR N358 AV TINT N358 AV SHARP V1 OVER N358 AV SHARP V1 UNDER N358 AV SHARP V2 OVER N358 AV SHARP V2 UNDER N358 AV SHARP H1 OVER N358 AV SHARP H1 UNDER N358 AV SHARP H2 OVER N358 AV SHARP H2 UNDER N358 AV SHARP H3 OVER N358 AV SHARP H3 UNDER		
DVP-M2 4	525I CONT 525I BRIGHT 525I COLOR 525I TINT 525I SHARP V1 OVER 525I SHARP V1 UNDER 525I SHARP V2 OVER 525I SHARP V2 UNDER 525I SHARP H1 OVER 525I SHARP H1 UNDER 525I SHARP H2 OVER 525I SHARP H2 UNDER 525I SHARP H3 OVER 525I SHARP H3 UNDER		
DVP-M2 5	525P CONT 525P BRIGHT 525P COLOR 525P TINT 525P SHARP V1 OVER 525P SHARP V1 UNDER 525P SHARP V2 OVER 525P SHARP V2 UNDER 525P SHARP H1 OVER 525P SHARP H1 UNDER 525P SHARP H2 OVER 525P SHARP H2 UNDER 525P SHARP H3 OVER 525P SHARP H3 UNDER		
DVP-M2 6	1125I CONT 1125I BRIGHT 1125I COLOR 1125I TINT 1125I SHARP V1 OVER 1125I SHARP V1 UNDER 1125I SHARP V2 OVER 1125I SHARP V2 UNDER 1125I SHARP H1 OVER 1125I SHARP H1 UNDER 1125I SHARP H2 OVER 1125I SHARP H2 UNDER 1125I SHARP H3 OVER 1125I SHARP H3 UNDER		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 7	750P CONT 750P BRIGHT 750P COLOR 750P TINT 750P SHARP V1 OVER 750P SHARP V1 UNDER 750P SHARP V2 OVER 750P SHARP V2 UNDER 750P SHARP H1 OVER 750P SHARP H1 UNDER 750P SHARP H2 OVER 750P SHARP H2 UNDER 750P SHARP H3 OVER 750P SHARP H3 UNDER		
DVP-M2 8	1125P CONT 1125P BRIGHT 1125P COLOR 1125P TINT 1125P SHARP V1 OVER 1125P SHARP V1 UNDER 1125P SHARP V2 OVER 1125P SHARP V2 UNDER 1125P SHARP H1 OVER 1125P SHARP H1 UNDER 1125P SHARP H2 OVER 1125P SHARP H2 UNDER 1125P SHARP H3 OVER 1125P SHARP H3 UNDER		
DVP-M2 9	DTV 525I CONT DTV 525I BRIGHT DTV 525I COLOR DTV 525I TINT DTV 525I SHARP V1 OVER DTV 525I SHARP V1 UNDER DTV 525I SHARP V2 OVER DTV 525I SHARP V2 UNDER DTV 525I SHARP H1 OVER DTV 525I SHARP H1 UNDER DTV 525I SHARP H2 OVER DTV 525I SHARP H2 UNDER DTV 525I SHARP H3 OVER DTV 525I SHARP H3 UNDER		
DVP-M2 10	DTV 525P CONT DTV 525P BRIGHT DTV 525P COLOR DTV 525P TINT DTV 525P SHARP V1 OVER DTV 525P SHARP V1 UNDER DTV 525P SHARP V2 OVER DTV 525P SHARP V2 UNDER DTV 525P SHARP H1 OVER DTV 525P SHARP H1 UNDER DTV 525P SHARP H2 OVER DTV 525P SHARP H2 UNDER DTV 525P SHARP H3 OVER DTV 525P SHARP H3 UNDER		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 11	DTV 1125I CONT DTV 1125I BRIGHT DTV 1125I COLOR DTV 1125I TINT DTV 1125I SHARP V1 OVER DTV 1125I SHARP V1 UNDER DTV 1125I SHARP V2 OVER DTV 1125I SHARP V2 UNDER DTV 1125I SHARP H1 OVER DTV 1125I SHARP H1 UNDER DTV 1125I SHARP H2 OVER DTV 1125I SHARP H2 UNDER DTV 1125I SHARP H3 OVER DTV 1125I SHARP H3 UNDER		
DVP-M2 12	DTV 750P CONT DTV 750P BRIGHT DTV 750P COLOR DTV 750P TINT DTV 750P SHARP V1 OVER DTV 750P SHARP V1 UNDER DTV 750P SHARP V2 OVER DTV 750P SHARP V2 UNDER DTV 750P SHARP H1 OVER DTV 750P SHARP H1 UNDER DTV 750P SHARP H2 OVER DTV 750P SHARP H2 UNDER DTV 750P SHARP H3 OVER DTV 750P SHARP H3 UNDER		
DVP-M2 13	DTV 525I CONT DTV 525I BRIGHT DTV 525I COLOR DTV 525I TINT DTV 525I SHARP V1 OVER DTV 525I SHARP V1 UNDER DTV 525I SHARP V2 OVER DTV 525I SHARP V2 UNDER DTV 525I SHARP H1 OVER DTV 525I SHARP H1 UNDER DTV 525I SHARP H2 OVER DTV 525I SHARP H2 UNDER DTV 525I SHARP H3 OVER DTV 525I SHARP H3 UNDER		
DVP-M2 14	HDMI 525P CONT HDMI 525P BRIGHT HDMI 525P COLOR HDMI 525P TINT HDMI 525P SHARP V1 OVER HDMI 525P SHARP V1 UNDER HDMI 525P SHARP V2 OVER HDMI 525P SHARP V2 UNDER HDMI 525P SHARP H1 OVER HDMI 525P SHARP H1 UNDER HDMI 525P SHARP H2 OVER HDMI 525P SHARP H2 OVER HDMI 525P SHARP H3 OVER HDMI 525P SHARP H3 OVER		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 15	HDMI 1125I CONT HDMI 1125I BRIGHT HDMI 1125I COLOR HDMI 1125I TINT HDMI 1125I SHARP V1 OVER HDMI 1125I SHARP V1 UNDER HDMI 1125I SHARP V2 OVER HDMI 1125I SHARP V2 UNDER HDMI 1125I SHARP H1 OVER HDMI 1125I SHARP H1 UNDER HDMI 1125I SHARP H2 OVER HDMI 1125I SHARP H2 UNDER HDMI 1125I SHARP H3 OVER HDMI 1125I SHARP H3 UNDER		
DVP-M2 16	HDMI 750P CONT HDMI 750P BRIGHT HDMI 750P COLOR HDMI 750P TINT HDMI 750P SHARP V1 OVER HDMI 750P SHARP V1 UNDER HDMI 750P SHARP V2 OVER HDMI 750P SHARP V2 UNDER HDMI 750P SHARP H1 OVER HDMI 750P SHARP H1 UNDER HDMI 750P SHARP H2 OVER HDMI 750P SHARP H2 UNDER HDMI 750P SHARP H3 OVER HDMI 750P SHARP H3 UNDER		
DVP-M2 18	HDMI 1125P CONT HDMI 1125P BRIGHT HDMI 1125P COLOR HDMI 1125P TINT HDMI 1125P SHARP V1 OVER HDMI 1125P SHARP V1 UNDER HDMI 1125P SHARP V2 OVER HDMI 1125P SHARP V2 UNDER HDMI 1125P SHARP H1 OVER HDMI 1125P SHARP H1 UNDER HDMI 1125P SHARP H2 OVER HDMI 1125P SHARP H2 UNDER HDMI 1125P SHARP H3 OVER HDMI 1125P SHARP H3 UNDER		
DVP-M2 19	HDMI PC CONT HDMI PC BRIGHT HDMI PC COLOR HDMI PC TINT HDMI PC SHARP V1 OVER HDMI PC SHARP V1 UNDER HDMI PC SHARP V2 OVER HDMI PC SHARP V2 UNDER HDMI PC SHARP H1 OVER HDMI PC SHARP H1 UNDER HDMI PC SHARP H2 OVER HDMI PC SHARP H2 UNDER HDMI PC SHARP H3 OVER HDMI PC SHARP H3 UNDER		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 20	HDMI PC (Dot) CONT HDMI PC (Dot) BRIGHT HDMI PC (Dot) COLOR HDMI PC (Dot) TINT HDMI PC (Dot) SHARP V1 OVER HDMI PC (Dot) SHARP V1 UNDER HDMI PC (Dot) SHARP V2 OVER HDMI PC (Dot) SHARP V2 UNDER HDMI PC (Dot) SHARP H1 OVER HDMI PC (Dot) SHARP H1 UNDER HDMI PC (Dot) SHARP H2 OVER HDMI PC (Dot) SHARP H2 UNDER HDMI PC (Dot) SHARP H3 OVER HDMI PC (Dot) SHARP H3 UNDER		
DVP-M2 21	PC CONT PC BRIGHT PC COLOR PC TINT PC SHARP V1 OVER PC SHARP V1 UNDER PC SHARP V2 OVER PC SHARP V2 UNDER PC SHARP H1 OVER PC SHARP H1 UNDER PC SHARP H2 OVER PC SHARP H2 UNDER PC SHARP H3 OVER PC SHARP H3 UNDER		
DVP-M2 22	PC (Dot) CONT PC (Dot) BRIGHT PC (Dot) COLOR PC (Dot) TINT PC (Dot) SHARP V1 OVER PC (Dot) SHARP V1 UNDER PC (Dot) SHARP V2 OVER PC (Dot) SHARP V2 UNDER PC (Dot) SHARP H1 OVER PC (Dot) SHARP H1 UNDER PC (Dot) SHARP H2 OVER PC (Dot) SHARP H2 UNDER PC (Dot) SHARP H3 OVER PC (Dot) SHARP H3 UNDER		
DVP-M2 23	HUE R HUE Y HUE G HUE C HUE B HUE M HUE R-Y HUE Y-G HUE G-C HUE C-B HUE B-M HUE M-R		

DVP-M2			
Page	Item	Description	Remarks (adjustment detail, etc.)
DVP-M2 24	SAT R SAT Y SAT G SAT C SAT B SAT M SAT R-Y SAT Y-G SAT G-C SAT C-B SAT B-M SAT M-R		
DVP-M2 25	BRI R BRI Y BRI G BRI C BRI B BRI M BRI R-Y BRI Y-G BRI G-C BRI C-B BRI B-M BRI M-R		
DVP-M2 27	AV BLACK STRETCH PC BLACK STRETCH		
DVP M2 28	COLOR TEMP High R COLOR TEMP High G COLOR TEMP High B COLOR TEMP Mid-High R COLOR TEMP Mid-High G COLOR TEMP Mid-High B COLOR TEMP Middle R COLOR TEMP Middle G COLOR TEMP Middle B COLOR TEMP Mid-Low R COLOR TEMP Mid-Low G COLOR TEMP Mid-Low B COLOR TEMP Low R COLOR TEMP Low G COLOR TEMP Low B		

OTHERS			
Page	Item	Description	Remarks (adjustment detail, etc.)
OTHERS1	L ERROR WAIT L ERROR H TIME PWM FREQ PWM DUTY OPC THRESHOLD ADC VALUE VCOM ADJ LCD TEST PATTERN	VCOM adjustment value	
OTHERS2	HDMI EDID WRITE HDMI CEC TEST INSPECT USB TERM TUNER VCHIP TEST (69ch) TUNER VCHIP TEST (7ch) TUNER VCHIP TEST (10ch) TUNER VCHIP TEST (15ch) MONITOR MAX TEMP BD UNIT FACTORY MENU	Tuning test and VCHIP test (69ch) Tuning test and VCHIP test (7ch) TUNER VCHIP TEST (10ch) TUNER VCHIP TEST (15ch) BD UNIT tuning process menu appears (do not use item in this model)	

6. Video signal adjustment procedure**6.1. AD TRANSFORM LEVEL Adjustment****6.1.1 Input 1080i signal**

1. Input 1080i color bar signal.

Signal generation: LEADER LT448

Signal: color BAR.

Setting: 02: 1080i/59.94 (30sf)

H: 33.72 KHz V: 29.97Hz

NOTE: Please use the third color Bar of LT448 generator.

2. Adjusting AUTO GAIN-OFFSET in page 4 of DVP3 (M2-HD) to RUN.

When "AUTO GAIN-OFFSET OK" appears, this adjustment is complete.

6.1.2 Input 480i signal

1. Input 480i color bar signal.

Signal: color BAR.

Setting: 15: 480i/60

H: 15.73 KHz V: 29.97Hz

NOTE: Please use the third color Bar of LT448 generator.

2. Adjusting AUTO GAIN-OFFSET in page 5 of DVP4 (M2-SD) to RUN.

When "AUTO GAIN-OFFSET OK" appears, this adjustment is complete

6.1.3 Input PC XGA signal.

1. Input XGA color bar signal (RGB)

Signal generation: LEADER LT448

Signal: color BAR (SATURATION 75%)

Setting: 28: XGA

H: 48.36KHz V: 60Hz

SYNC: OFF

NOTE: Please use the color Bar of SATURATION.

2. Adjusting AUTO GAIN-OFFSET in page 6 of DVP5 (M2-PC) to RUN.

When "AUTO GAIN-OFFSET OK" appears, this adjustment is complete.

NOTE: If want to set all item to ON, please set to RUN in ADJUST PROCESS.

6.2. TEMP Adjustment**6.2.1 Receive US-10ch(JPN-8ch) the standard color bar signal**

6.2.2 See if the "YDATA" reading (maximum) on Adjustment Process Page 1 is within the range in the follow table. If not, adjust the "TEMP ALL" setting on the same page to have the "YDATA" reading (maximum) within this range.

MODEL
SETTING VALUE (NTSC) 163-170

Refines

(Adjustment Process Menu Page 1)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0	D	V	P	1																							
1		▶	T	A	M	P	1		L													1	6	3			
2			Y	D	A	T	A																9	8			
3			T	A	M	P	1		H													1	7	0			
4			T	A	M	P		A	L	L												O	F	F			
5			N	T	S	C		T	A	M	P	1											7	7			
6			P	A	L	–	M		T	A	M	P											6	4			
7			P	A	L	–	N		T	A	M	P											6	4			

6.3. Tuner/V-Chip test

	Adjustment item	Adjustment conditions	Adjustment procedure
1	Adjustment	NTSC RF signal US-7 (AIR) ch	Feed the NTSC signal to RF ANTENNA input.
2	Auto adjustment performance		Bring the cursor on [OTHERS]→[OTERRS2]→[TUNER VCHIP TEST (*07ch)] and press [LEFT]. (*Select the channel according to the RF signal.) [A-OK (***)/VM-OK] appears in blue when finished. (If [A-NG/VM-NG] appears in yellow or red, the test is incomplete.) Make sure a displacement of ± 0.0625 MHz from the center frequency is acceptable.

7. Adjustment of white balance

	Adjustment item	Adjustment conditions	Adjustment procedure																						
1	Setting	Backlight: +16 (MAX)	For detailed adjustment procedure refer to “Kameyama Model Integral WB Adjustment Specifications”. 1) Make the following settings for the set. AV MODE: [DYNAMIC] Backlight: +16 Aging time: Min. 60 minutes 2) Connect the white balance adjustment tool to the set. 3) The cross is displayed by execute command of RS232C and the probe position is set to the center of the screen (please attention the operation manual of CA210). 4) The cross is disappeared by execute command of RS232C. Adjusting the picture by execute command of RS232C																						
2	Automatic adjustment execution		[Adjustment procedure] 1) Using the remote controller, transmit the “monitor adjustment process” code. 2) Set the 2nd point to the specified gradation level, With the strongest color being fixed, turn down the R,G and B settings to their reference levels. 3) Set the 1st point to the specified gradation level. Correct the G setting (388 x 2nd point G setting /804) (rounded off), and make the R and B settings to their reference levels. *Initial R, G and B settings at point 2: Gradation level set at 804 * Initial R and B settings at points 1: Correct the setting same remainder of RGB setting at each point (This is because the adjustment is made to achieve the same remainder of RGB setting/4 at each point). [Adjustment value] As per the “standard set” submitted by Engineering Department. [Adjustment reference] Instrument: [Minolta CA-210] Engineering instrument. <table><tr><td></td><td>Level</td><td>Reference</td><td>Adj. spec</td><td>Ins. spec</td></tr><tr><td rowspan="2">Point 2</td><td rowspan="2">804</td><td>X=0.272</td><td rowspan="2">±0.001</td><td rowspan="2">±0.002</td></tr><tr><td>y=0.277</td></tr><tr><td rowspan="2">Point 1</td><td rowspan="2">388</td><td>X=0.272</td><td rowspan="2">±0.002</td><td rowspan="2">±0.004</td></tr><tr><td>y=0.277</td></tr><tr><td>Note</td><td></td><td colspan="3">Set conditions for inspection AV MODE: [DYNAMIC] (Reset) Aging Time: Min. 60 minutes</td></tr></table>		Level	Reference	Adj. spec	Ins. spec	Point 2	804	X=0.272	±0.001	±0.002	y=0.277	Point 1	388	X=0.272	±0.002	±0.004	y=0.277	Note		Set conditions for inspection AV MODE: [DYNAMIC] (Reset) Aging Time: Min. 60 minutes		
	Level	Reference	Adj. spec	Ins. spec																					
Point 2	804	X=0.272	±0.001	±0.002																					
		y=0.277																							
Point 1	388	X=0.272	±0.002	±0.004																					
		y=0.277																							
Note		Set conditions for inspection AV MODE: [DYNAMIC] (Reset) Aging Time: Min. 60 minutes																							

8. Initialization of factory settings

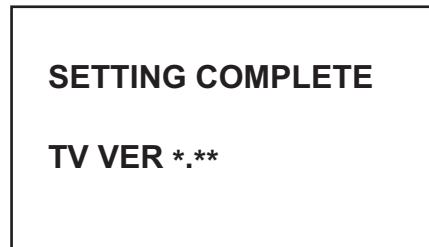
8.1. Making factory settings

Use the adjustment remote controller for the factory settings.

8.1.1 Hold on the remote controller's FACTORY SETTING key.

8.1.2 Sever seconds later, "SETTING COMPLETE" COMPLETE" "TV VER *.*" appears at the center of the screen.

If background of screen is green, the settings are complete.

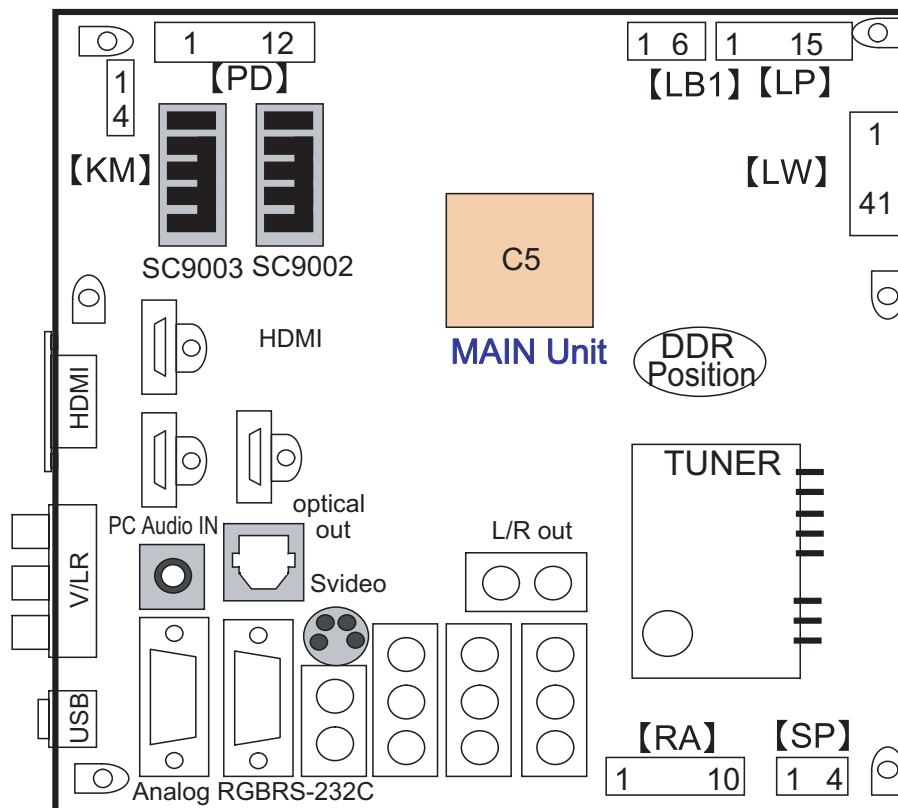


8.1.3 Power off the set.

NOTE: Do not turn on the power once the factory settings have been made. Otherwise the factory setting must be made again.

9. Model number ID plug

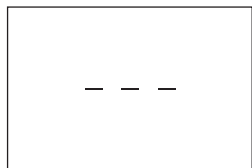
Model numbers are identified by inserting the destination ID plug (QCNCMA275WJQZ) in its specified slot of the destination ID connector SC9002/ SC9003 (QCNCWA715WJQZY).



[2] PUBLIC MODE SETTING PROCEDURE

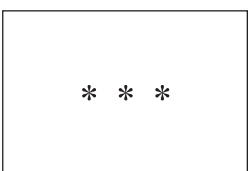
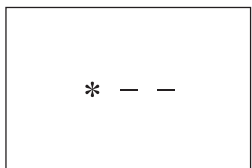
1. How to start Public Mode

- There are the following two ways to get the public mode setup screen displayed.
- ① In the adjustment process mode, turn on "PUBLIC MODE". Also press the "CH (^)" and "VOL (+)" keys on the set at once and turn on the power.
 - ② 1) Press the "INPUT" and "VOL (+)" keys on the set at once and turn on the power.
2) Get the password input screen displayed.



Procedure

- The input starts with the leftmost digit.
- Use the numeric keys [1] thru [9] and [0] keys on the remote controller.
The other keys are not acceptable.
- With a numeric-key input, "-" will change to "*".
The input position will move one digit to the right.
- With all the 3 digits entered, the password will be verified.



- 3) The 3-digit password is now verified.

The password [0] [2] [7] provides for the public mode screen. (This screen comes on with whatever adjustment process settings.)

With any other passwords, the screen changes to the normal mode.

2. How to exit Public Mode

There are the following ways to quit the public mode setup screen.

- Turn off "PUBLIC MODE" in the adjustment process mode. (☆) ← This way alone is not for quitting the setup screen, but for quitting the mode itself.
 - Turn off the power with the "POWER" key. (★)
 - Select "ENTER". (★)
- ★ ... "PUBLIC MODE" stays on in the adjustment process mode.
- ☆ ... The settings will be back to the factory ones.



3. Public Mode Setting Values

- With the factory settings made, the public mode settings get initialized. (The adjustment process remains intact.)

4. Public Mode Menu

The guidance is not displayed on screen.

Setup procedure

- To move the cursor up and down, use the “cursor UP/DOWN” key (remote controller) and “CH ()/()” key (remote controller and set).
- To change the settings, use the “cursor RIGHT/LEFT” key (remote controller) and “VOL (+)/(-)” key (remote controller and set).
- To save new settings, keep the cursor at “ENTER” and use “ENTER” key (remote controller and set).

PUBLIC MODE	
POWER ON FIXED	[VARIABLE]
MAXIMUM VOLUME	[60]
VOLUME FIXED	[VARIABLE]
VOLUME FIXED LEVEL	[20]
RC BUTTON	[RESPOND]
PANEL BUTTON	[RESPOND]
MENU BUTTON	[RESPOND]
ON SCREEN DISPLAY	[YES]
BLUE SCREEN	[NO]
INPUT MODE START	[NORMAL]
INPUT MODE FIXED	[VARIABLE]
RC_PATH_THROUGH	[OFF]
RESET	
ENTER	

5. On Setting Items

* "EZ-SETUP" discussed below indicates "EZ-SETUP after the first power-on".

1) POWER ON FIXED

Selection	Selection between "Variable" and "Fixed" (loop provided)
Default	– (Variable)
Explanation	In "Fixed" setting, the power-off by the power key of the unit is invalidated and the image is kept being received. The power can be turned off by stopping the power supply from AC.
Limit in Setting	Refer to the "Power-On Fixed" sheet.
Exception	None
Remarks	

2) MAXIMUM VOLUME

Selection	Adjustment from 0 to 60 (no loop)
Default	60
Explanation	Sound volume can not be adjusted higher than the preset value.
Limit in Setting	<ul style="list-style-type: none"> When the sound volume is set lower than 59, only figures are displayed and the sound volume bar is not displayed. The maximum sound volume for ON-timer (Wake up timer) is limited also to the preset value.
Exception	None
Remarks	<ul style="list-style-type: none"> When the sound volume is set higher than the MAX setting by the adjusting process, the sound volume control operation is prohibited for turn-up and the sound volume should be turned down to MAX in this state.

3) VOLUME FIXED

Selection	Selection between "Variable", "Fixed". (loop provided)
Default	Variable
Explanation	Sound volume is fixed and made in variable.
Limit in Setting	<ul style="list-style-type: none"> The sound volume for the ON-timer (Wake up timer) is fixed also without display of menu. Besides, the setting is made impossible. (Basically, the menu is not displayed.) The following keys become invalid: <ul style="list-style-type: none"> Sound volume Up/Down (VOL +/-) [for both remote control and the unit] Mute (MUTE)
Exception	<ul style="list-style-type: none"> In the item "VOLUME" of adjustment process, the sound volume can be set freely irrespective of this setting.
Remarks	<ul style="list-style-type: none"> As for sound volume fixing and sound volume MAX level, the sound volume fixing has priority. Once the sound volume has been changed by adjustment process, it should be set back to the sound volume preset by sound volume fixing level when the adjustment process ends.

4) VOLUME FIXED LEVEL

Selection	Adjustment from 1 to 60 (no loop)
Default	20
Explanation	The sound volume to be fixed by "Volume fixed" is determined.
Limit in Setting	None
Exception	None
Remarks	Setting is valid only when "Volume fixed" is selected for "fixed".

5) R/C BUTTON

Selection	Selection between "Respond", "No Respond" and "Limited" (loop provided)
Default	Respond
Explanation	<p>Making the remote controller settings.</p> <ul style="list-style-type: none"> At the "No Respond" setting, the remote controller keys are disabled. Its power key (reception/standby key) is disabled too. At the "Limited" setting, some channel-related keys alone are operative. All the other remote controller keys (power, volume ▲/▼, channel ▲/▼, light control (brightness sensor), broadcast select) are inoperative.
Limit in Setting	① In "No respond" setting, all the keys (including the power key) are not accepted.
Exception	<ul style="list-style-type: none"> Adjustment process, inspection process and hotel only keys are valid irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

6) PANEL BUTTON

Selection	Selection between "Respond" and "No respond" (loop provided)
Default	Respond
Explanation	All the operations by keys (except the power key) of the unit can be invalidated.
Limit in Setting	
Exception	<ul style="list-style-type: none"> Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

7) MENU BUTTON

Selection	Selection between "Respond" and "No respond" (loop provided)
Default	Respond
Explanation	In "No respond" setting, the menu operation by the menu key of the remote control and the menu key of the unit are invalidated.
Limit in Setting	
Exception	<ul style="list-style-type: none"> Adjustment process, inspection mode and hotel menu mode can be started irrespective of setting. All the keys can be used in adjustment process, inspection mode and hotel menu irrespective of setting.
Remarks	

8) ON SCREEN DISPLAY

Selection	Selection between "Yes", "No" (loop provided)
Default	Yes
Explanation	<ul style="list-style-type: none"> At the "No" setting, the following items are not displayed on screen: register, setting, adjustment menu, channel call and volume bar. <p>On the wide-screen models, an input selection is immediately made because the menu is not displayed.</p>
Limit in Setting	<ul style="list-style-type: none"> Keys falling under any of the following items become invalid. <ul style="list-style-type: none"> ① Appearance of screen changes and the sound changes. ② Personal functions which are hard to restore. <p>Screen display, menu, OFF-timer, ON-timer, AV MODE, screen size switching, clock setting, treble emphasis, AUDIO ONLY, sound changeover, LANGUAGE, CLOSED CAPTION</p>
Others	<ul style="list-style-type: none"> Simple input switching is generated. Those which are restored soon after leaving as they are and may be requested for change by customer are not prohibited. <p>Brightness sensor (BACKLIGHT) and PIC. FLIP</p>
Exception	<ul style="list-style-type: none"> Such a caution which is displayed independently is displayed as it is. <p>Non-responding signal caution</p>
Remarks	<ul style="list-style-type: none"> When CC has already been ON, CLOSED CAPTION is displayed.

9) BLUE SCREEN

Selection	Selection between "Yes", "NO" (loop provide)
Default	No
Explanation	In "Yes" setting, when don't receive any signal or on signal input, the screen is blue.
Limit in Setting	None
Exception	None
Remarks	

10) INPUT MODE START

Selection	Selection between "Normal", "TV (CH※)", "INPUT 1/2/3/4/5/6/7/8".
Default	Normal
Explanation	In power-ON, the input source to be started or channel can be set. (In standard mode, the operation follows the last memory.)
About options	<ul style="list-style-type: none"> All the input sources in the model are made selectable. In TV mode, the channel to be set follows the last memory and the content of the last memory is included in the notation by options. Ex.) TV (CH2), TV (CH4) etc.
Limit in Setting	<ul style="list-style-type: none"> The display of channel setting menu and the channel setting operation are prohibited.
Exception	
Remarks	<ul style="list-style-type: none"> In setting at "Normal", the setting of "Input mode fixed" is changed to "Variable" and selection should be prohibited.

11) INPUT MODE FIXED

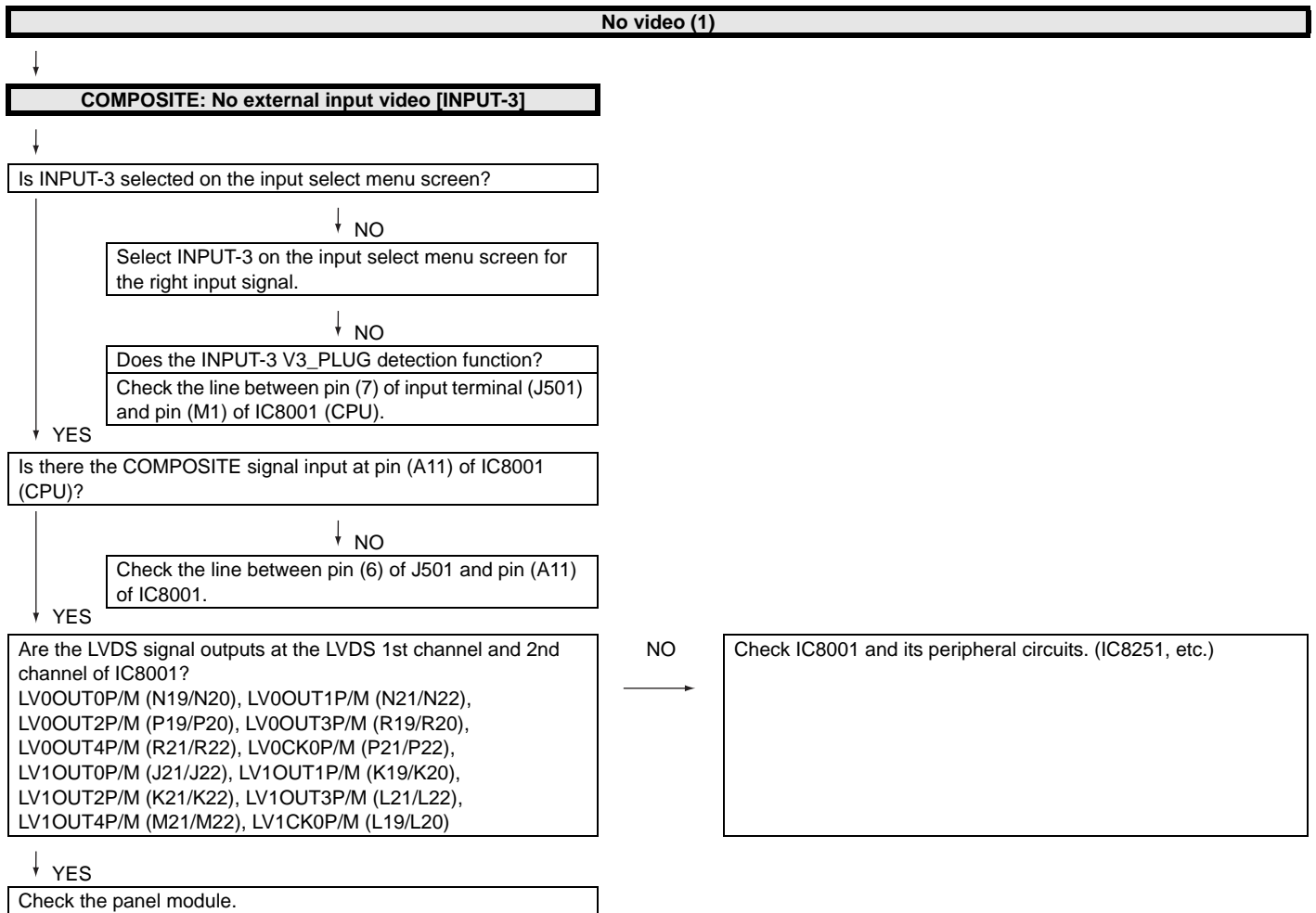
Selection	Selection between "Variable", "Fixed". (loop provided)
Default	– (Variable)
Explanation	The input mode is fixed at the input source or the channel set at the "Input mode start" in 10 and other input sources and channels can be made non-selectable.
Limit in Setting	<ul style="list-style-type: none"> With the execution of hotel mode, the input source is forced to change to that set by "Input mode start" and the channel switching and input switching are prohibited thereafter. ON-timer's (Wake-up timer) channel items are not displayed or the operation is prohibited. (Basically, they are not displayed.) The following keys are invalidated. CH ▲ / ▼ , direct tuning button, FLASHBACK, input <p>*However, the keys (input switching and CH ▲ / ▼ keys) of the unit for menu operation remain valid.</p>
Exception	None
Remarks	<ul style="list-style-type: none"> In the following case, setting is cancelled and mode is changed to "Variable". <p>① When the setting of "Input mode start" is set to "Normal".</p>

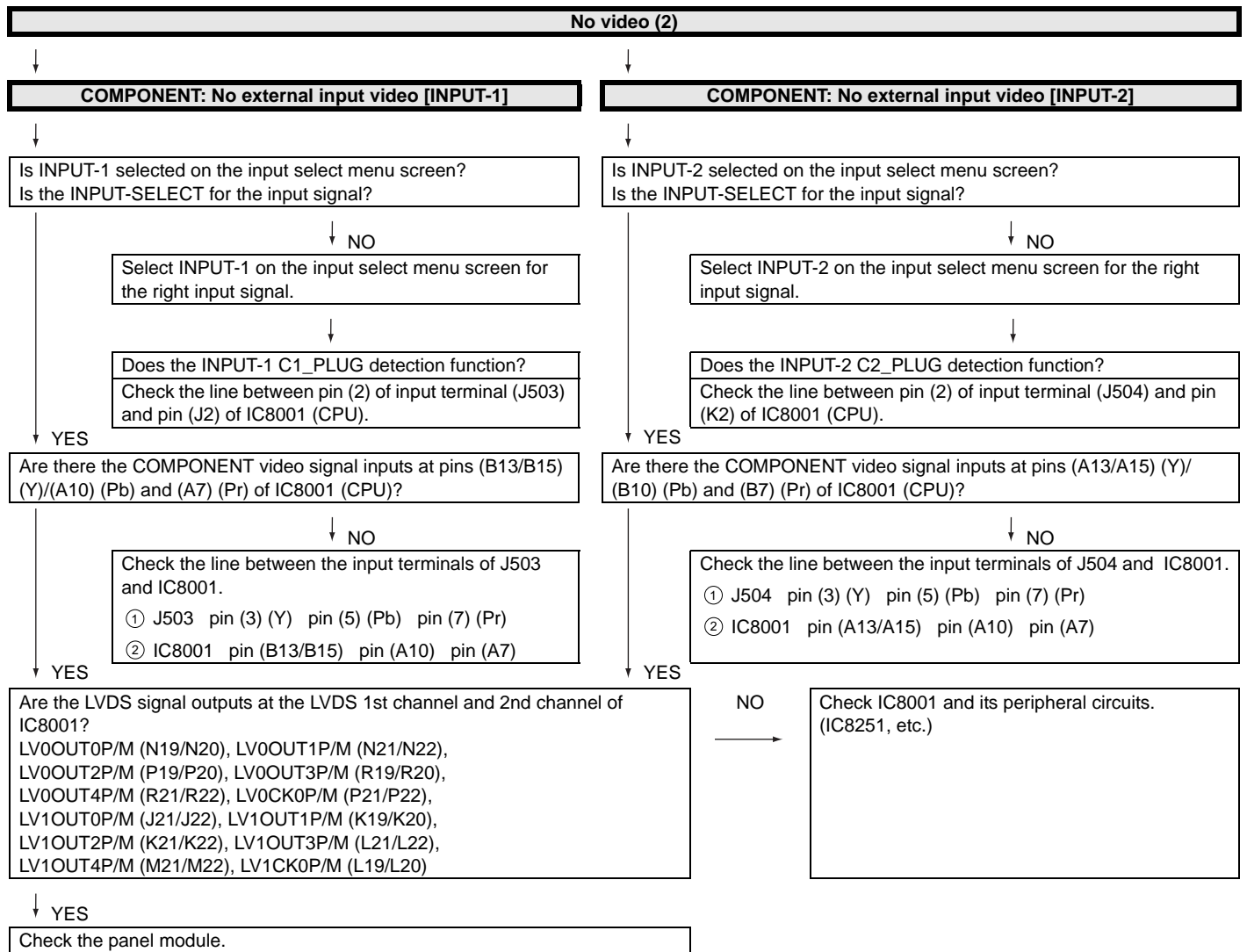
12) RC_PATH_THROUGH

Selection	Selection between "OFF", "ON: TV RCE" and "ON: TV RCD" (loop provided)
Default	OFF
Explanation	Function to feed the remote controller-received signal to Pin 9 (open) on the RS232C.
Limit in Setting	None
Exception	None
Remarks	None

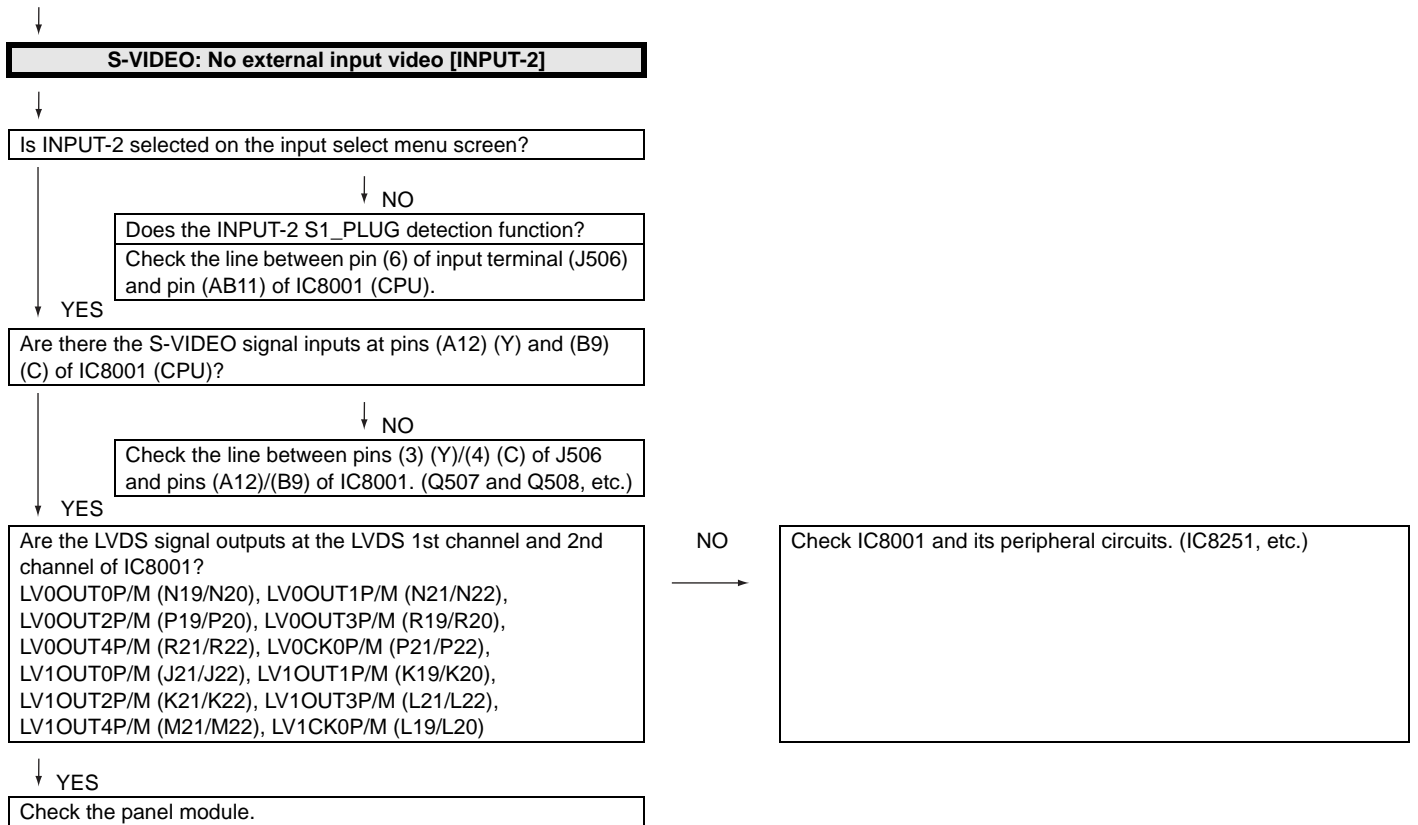
CHAPTER 6. TROUBLESHOOTING TABLE

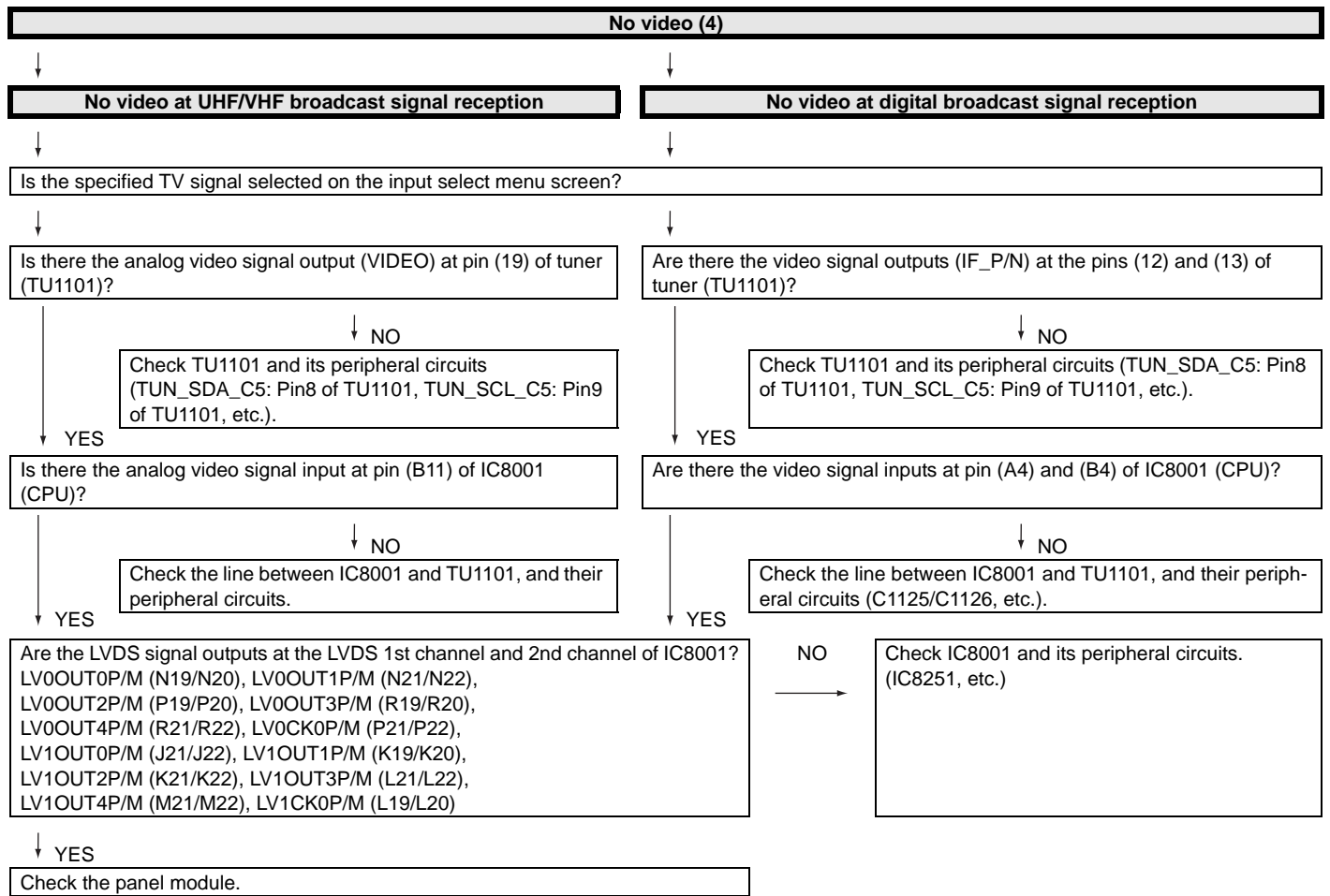
[1] TROUBLESHOOTING TABLE



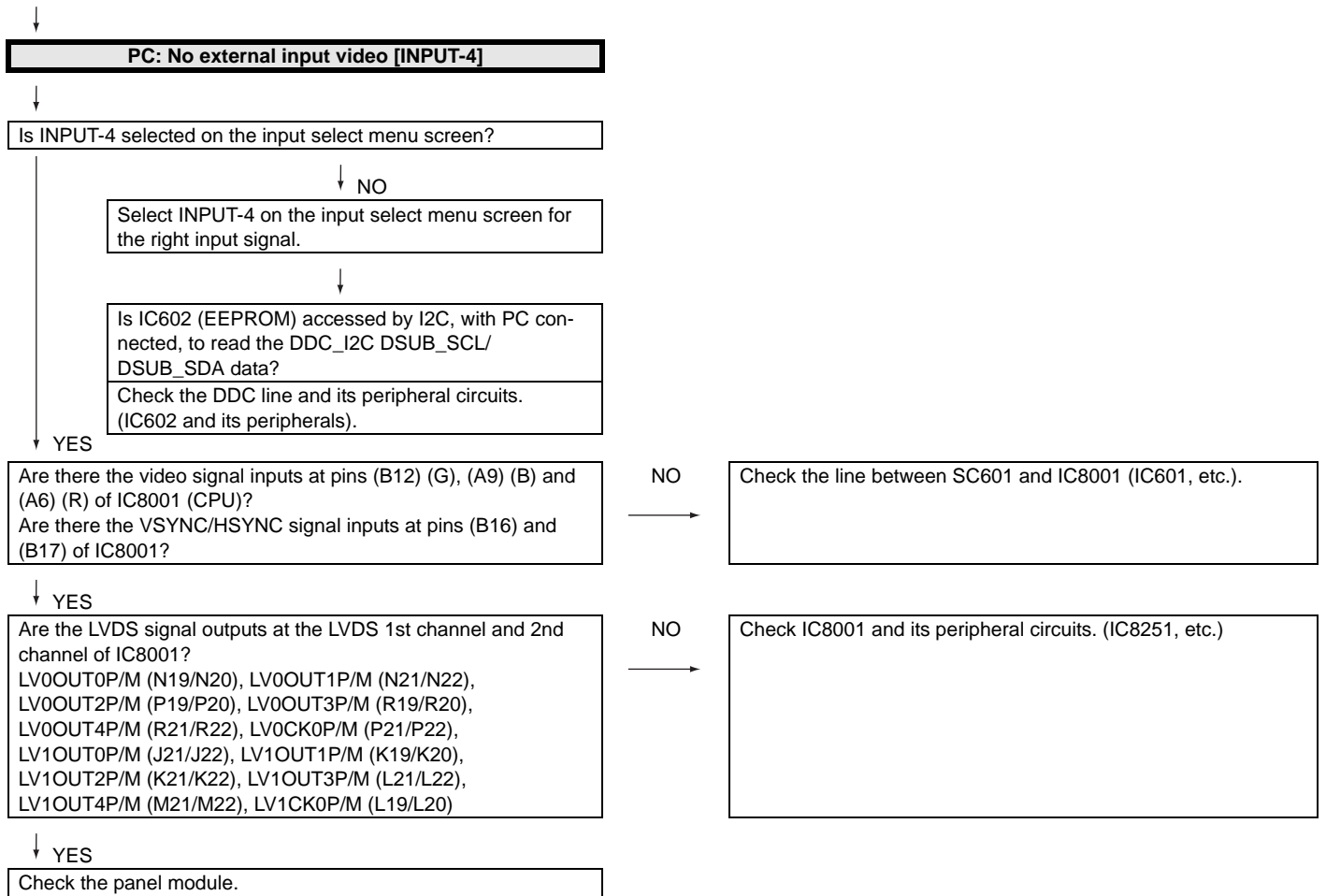


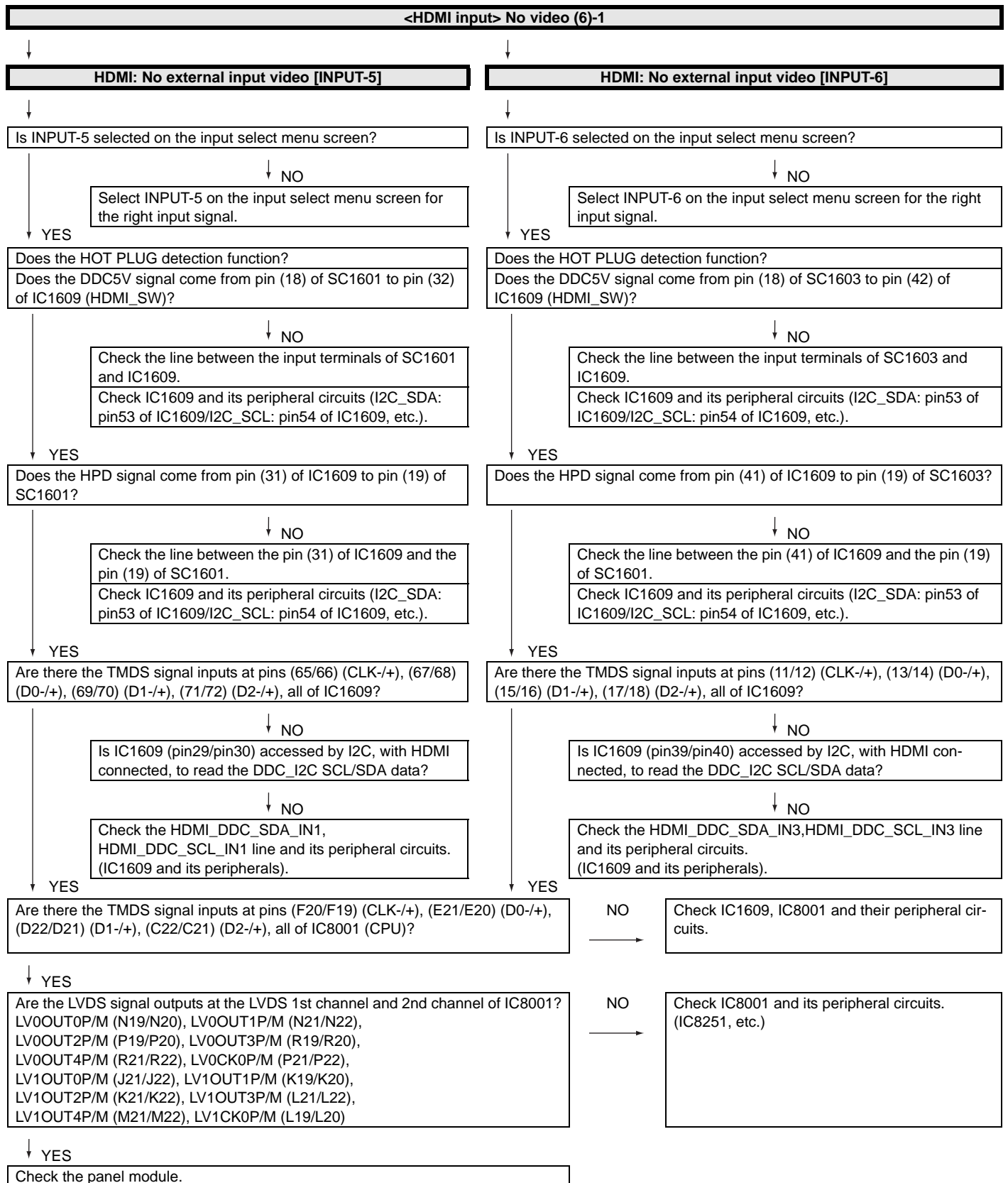
No video (3)

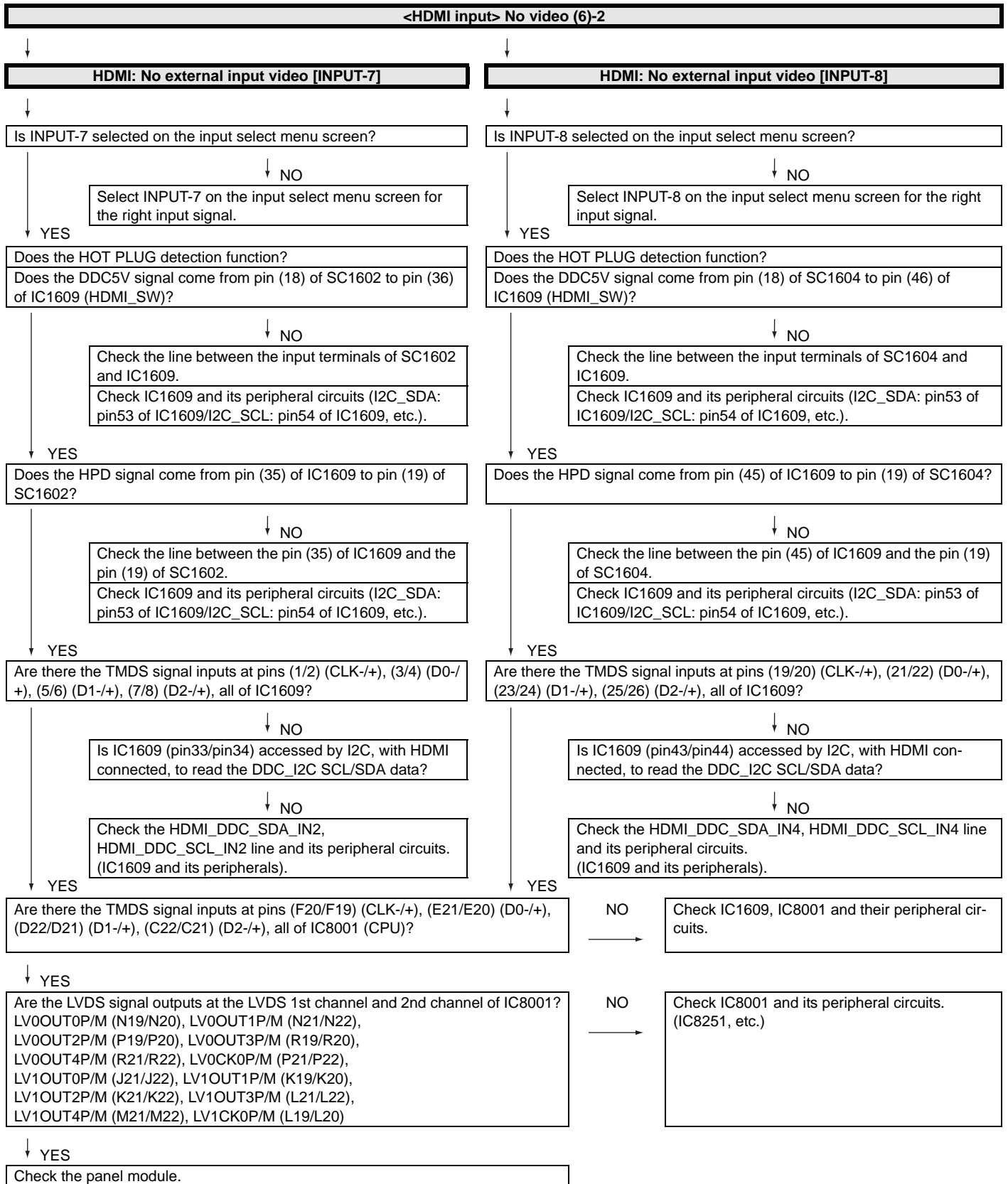


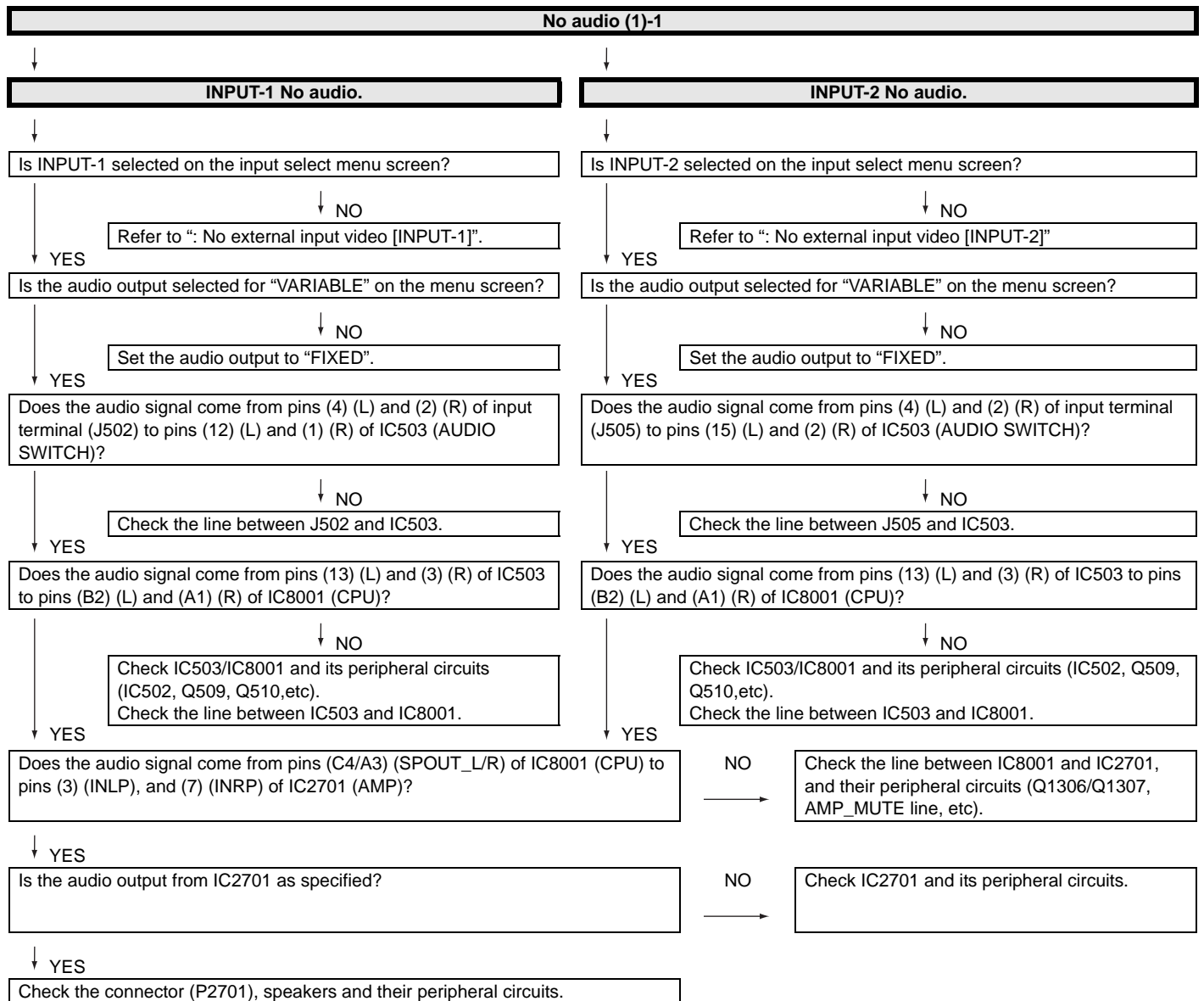


No video (5)

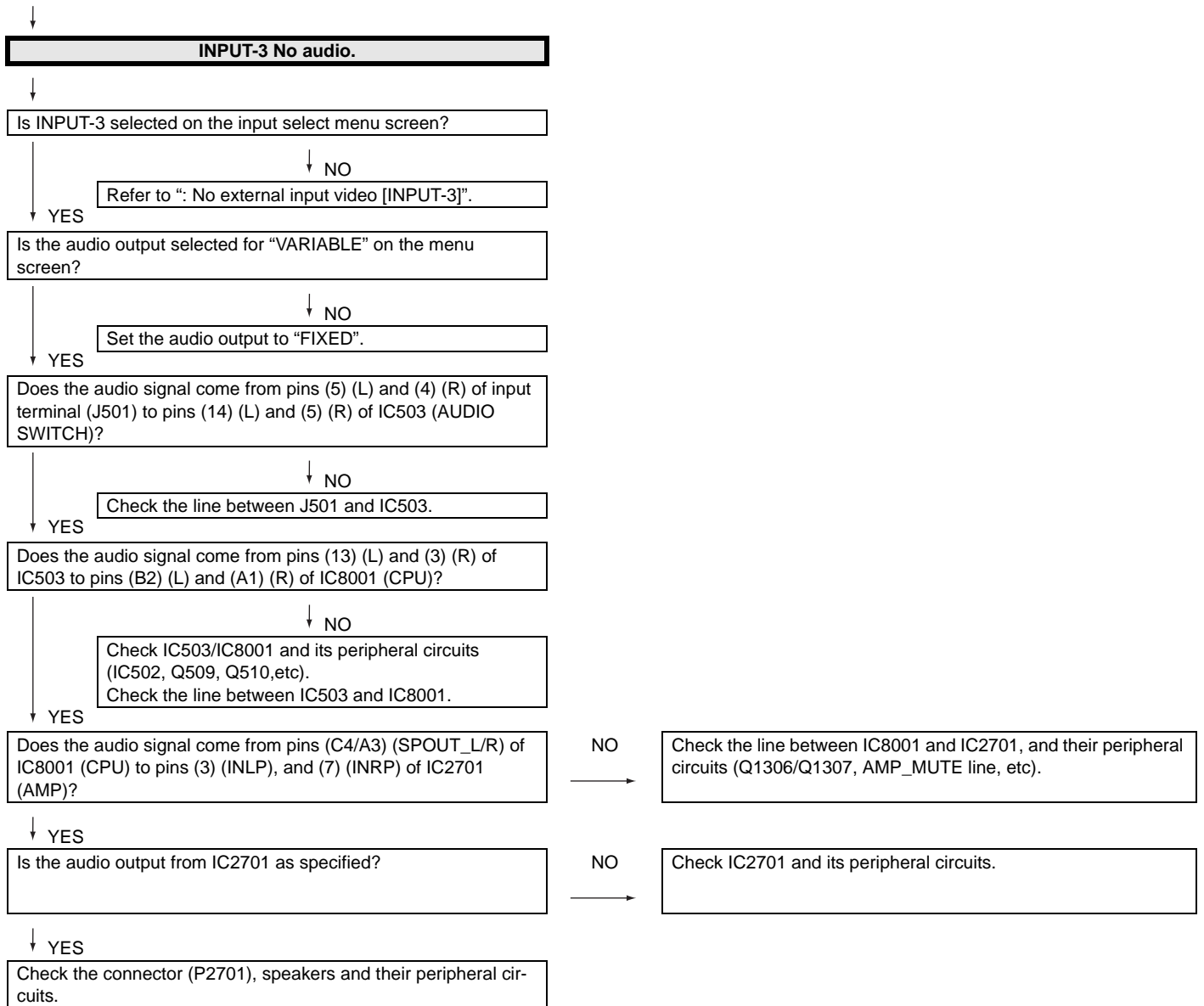


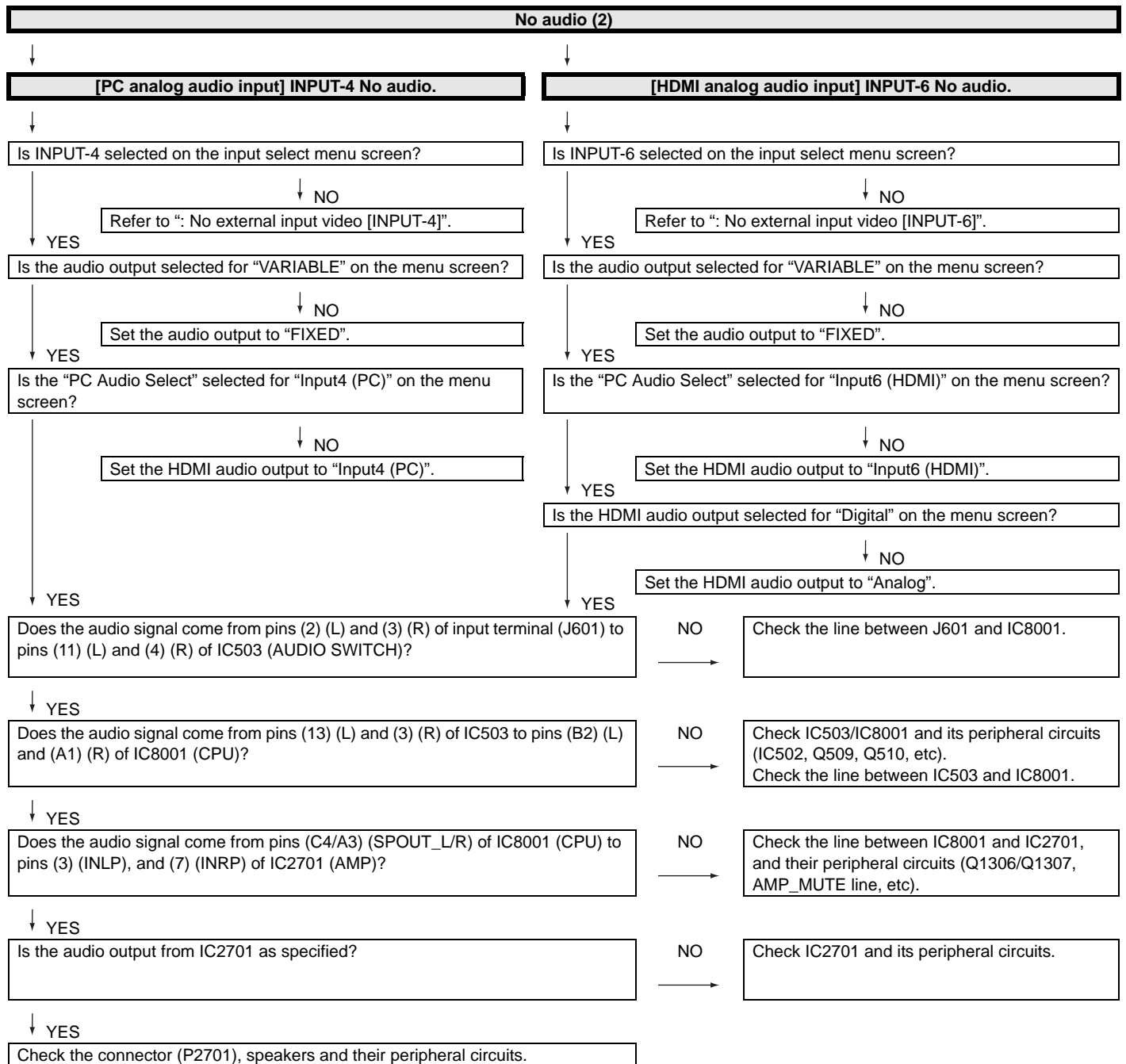


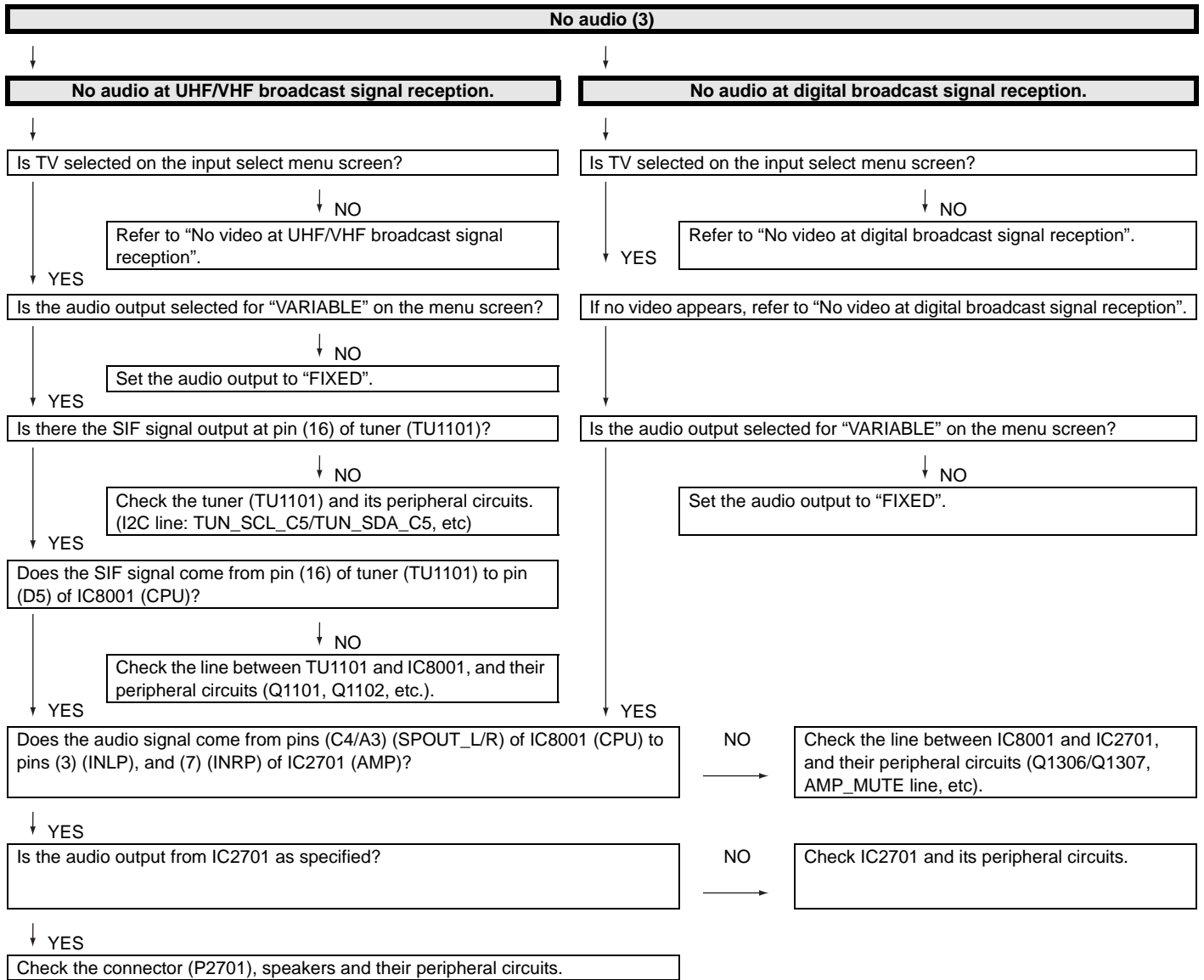


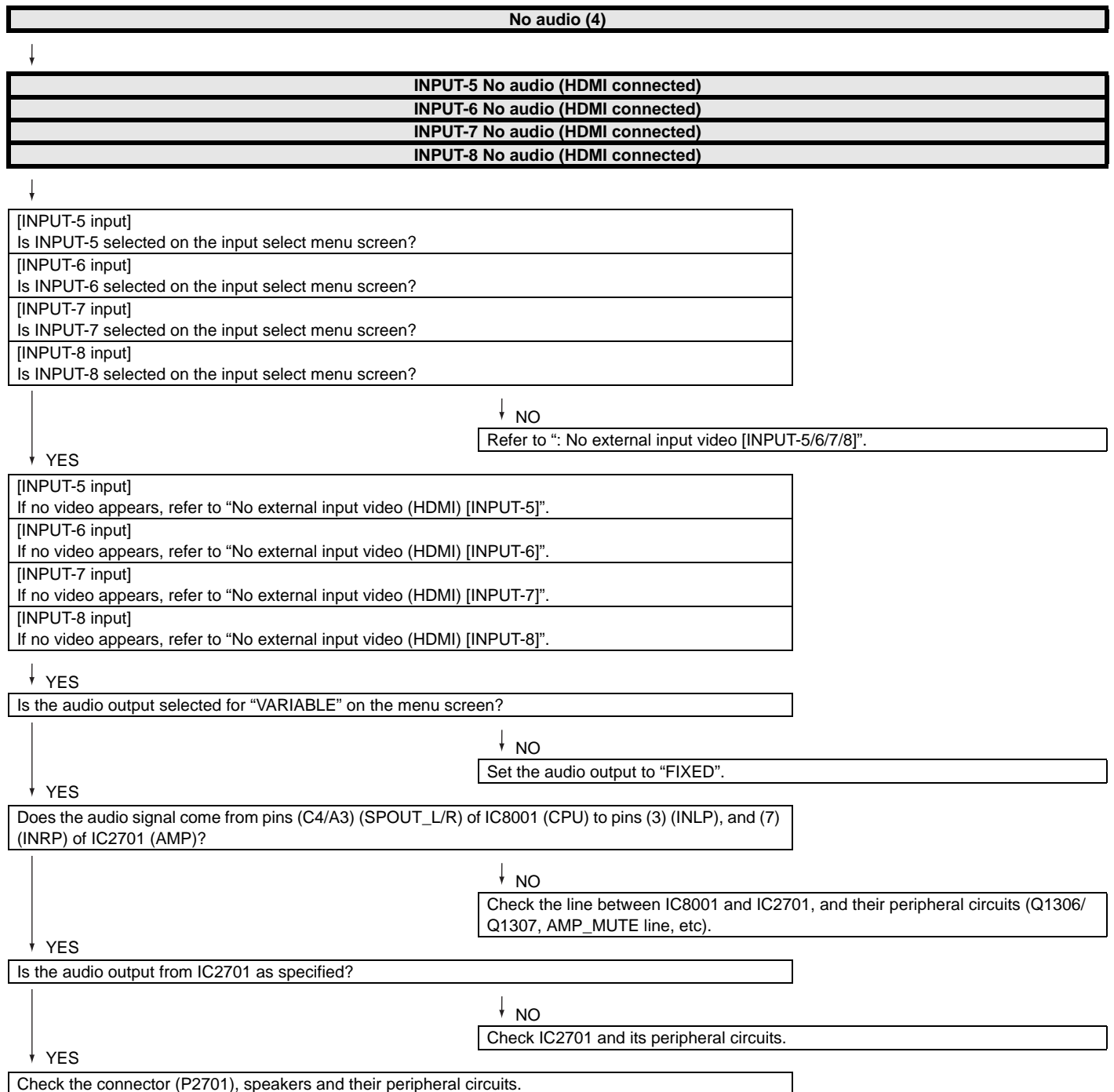


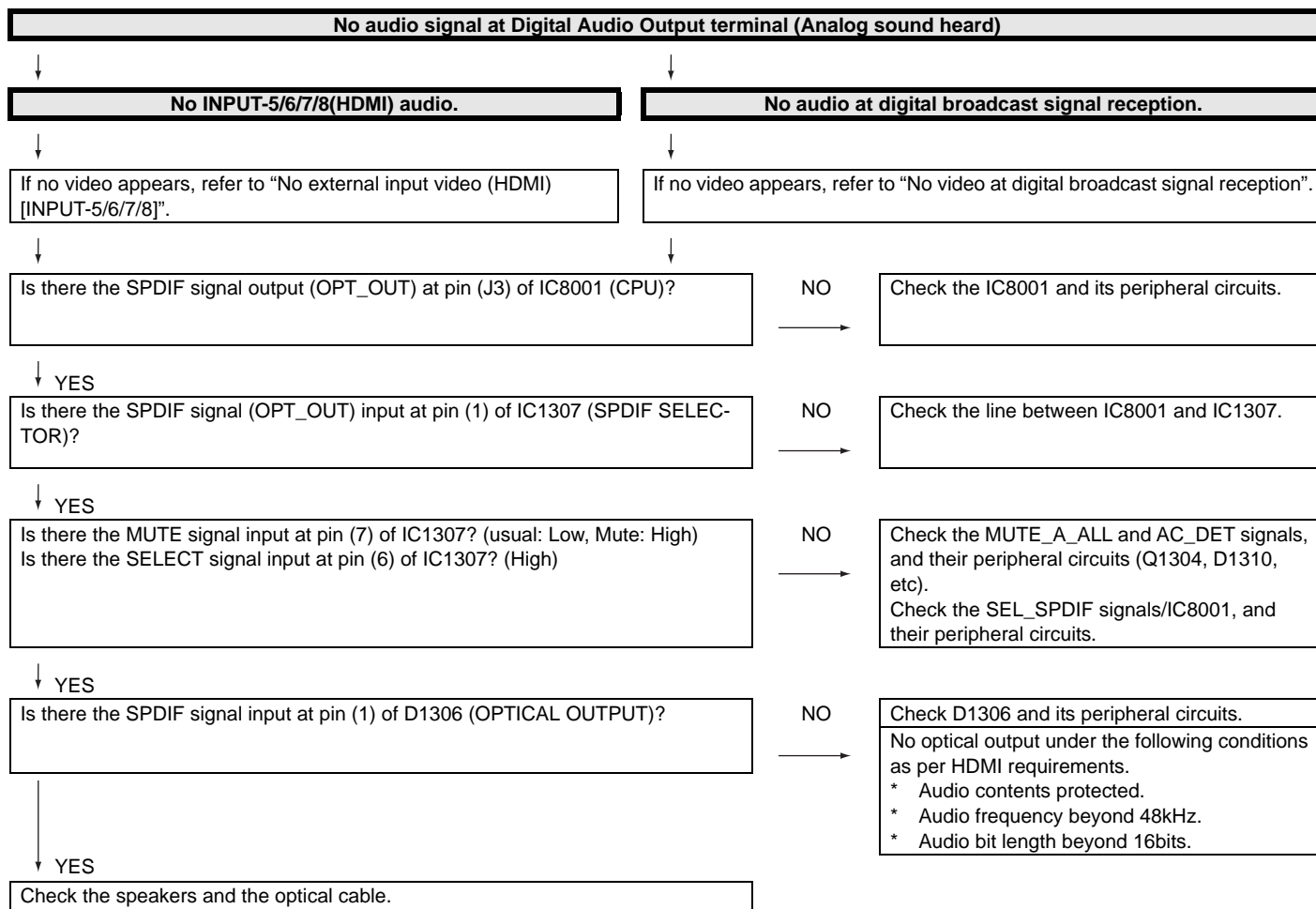
No audio (1)-2



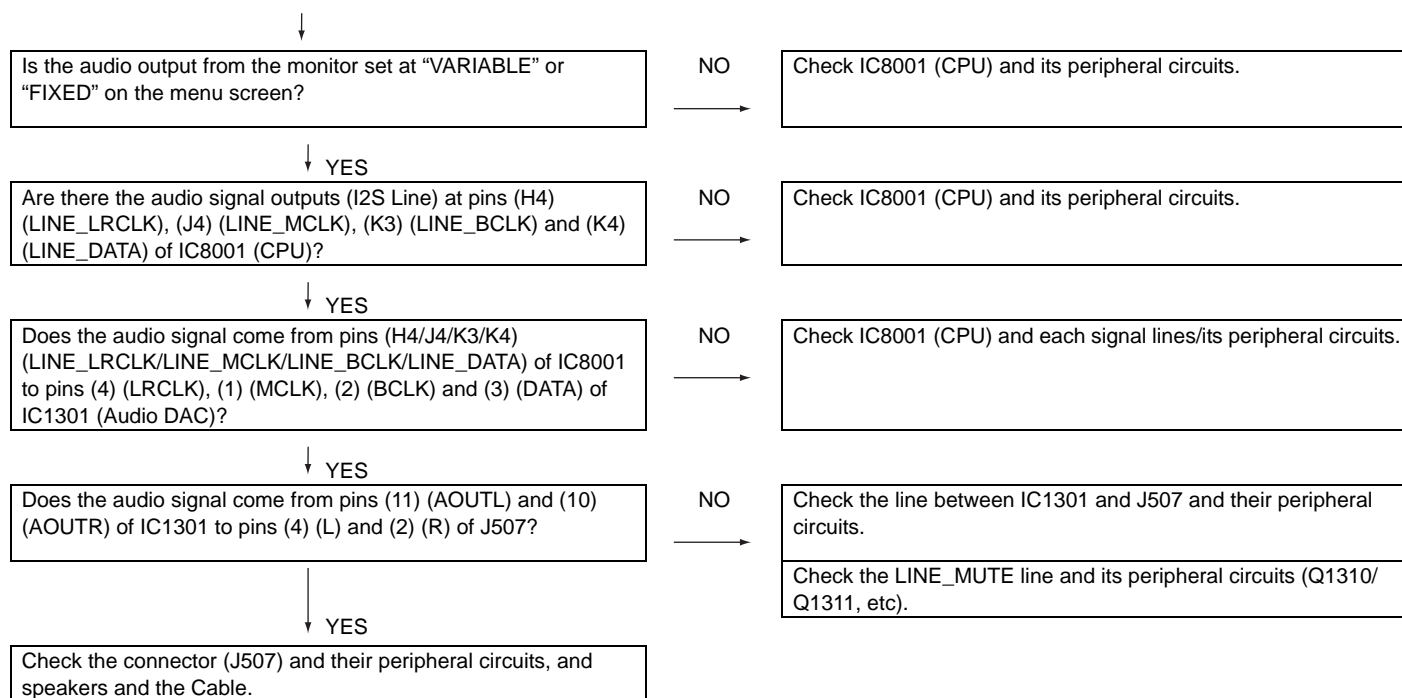














No monitor audio output








LED flashing timing chart for error notification.




**1) Power LED (Large classification)**

Error type	Power green LED operation (1 cycle)	Pins are monitor microprocessor (IC2002) pins.
Lamp error Flashes once: Fast	H: On  L: Off	Judged by the ERR_PNL port. Confirmed after 10 consecutive detections at 500 ms intervals (detected only when the backlight is on). [Released] <ul style="list-style-type: none"> Set "LAMP ERROR" of the adjustment process to 0. Execute AC_ON with [CH_DOWN] and [VOL_UP] on the unit down. Continuous illumination for 3 minutes. NOTE: After five detection counts, the lamp cannot be activated except in the monitoring process. (For the first time, only the inverter is reset, and error OFF is not activated.)
Power error Flashes twice	H: On  L: Off	Refer to "Power error details". Detection is performed at 16 ms intervals, and each terminal for monitoring the power is polled. If the error logic is detected twice in a row, error is confirmed so as to shift to the error standby.
Communication error with the main CPU Flashes 3 times	H: On  L: Off	Judged by the communication line error or main CPU communication error. Refer to "Communication error details". Communication line with the main CPU: TxD, RxD Check debug statements for the main CPU.
Vsync error Flashes 4 times	H: On  L: Off	VSYNC error (L or H fixed). Image processing IC operation error
Monitor temperature error Flashes 5 times	H: On  L: Off	Judged by monitoring temperature with the temperature sensor. When the panel temperature is 60°C or more for 15 seconds or more in a row, caution is displayed. If the panel temperature is 60°C or more for 25 seconds or more in a row, error standby is activated. [Released] Reduce the value of MONITOR MAX TEMP of OTHERS (temperature protection threshold).
Program area data destruction Flashes 8 times	H: On  L: Off	Flash ROM data error in the microprocessor. [Released] Write the microprocessor software.

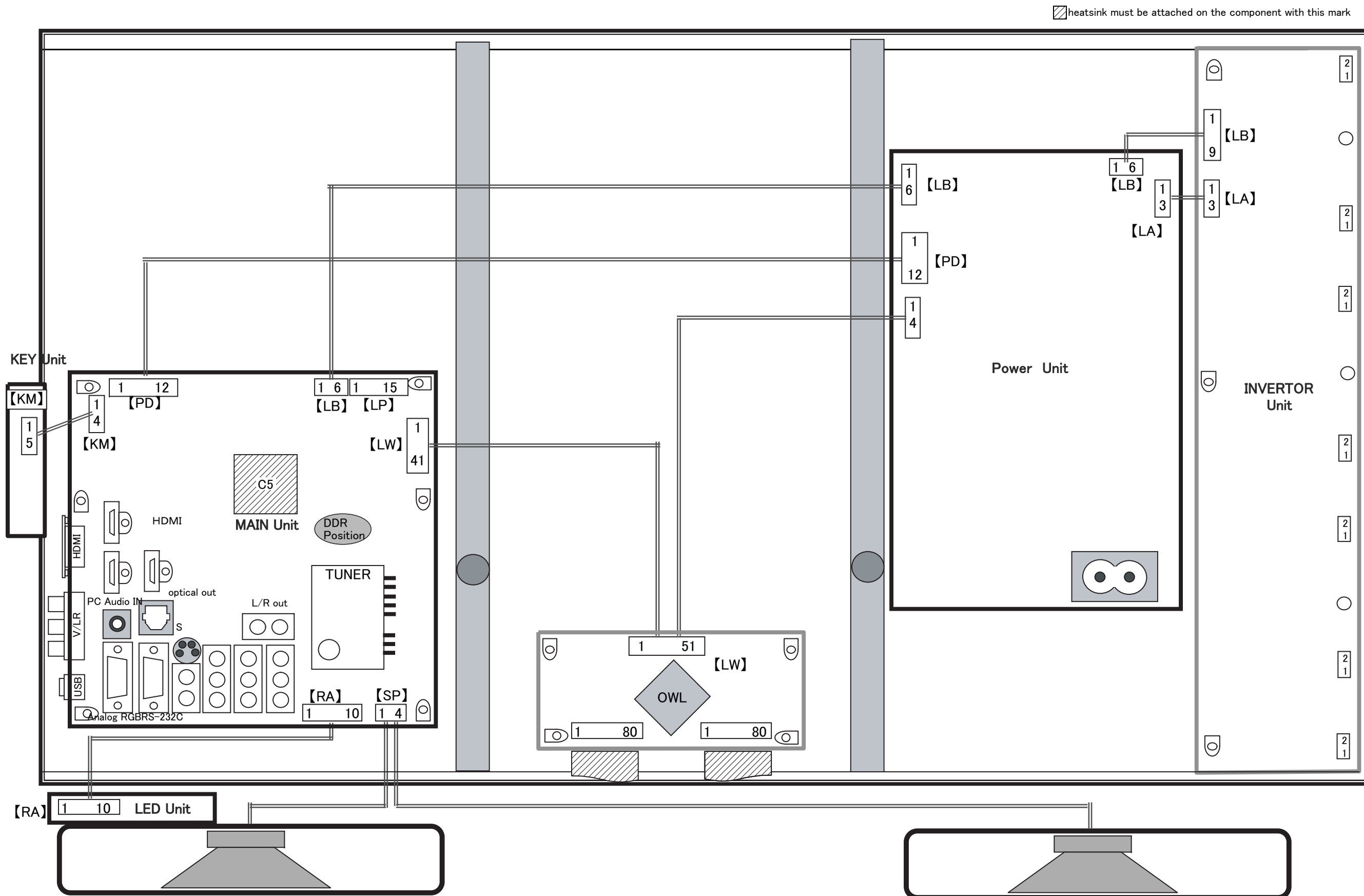
2) Power error details (Power LED flashes twice and OPC LED flashes)


Error type	OPC LED operation (1 cycle)	Pins are monitor microprocessor pins unless otherwise specified.
DET_POW1 error Flashes once	H: On  L: Off	DET_POW1 error (L). Detected by the above polling. UR13V is not applied.
DET_POW2 error Flashes twice	H: On  L: Off	DET_POW2 error (L). Detected by the above polling. Detection starts in 400 ms after SMPOW becomes High. D3.3V is not applied.
DET_6V error Flashes 3 times	H: On  L: Off	DET_6V error (L). D5V or A5V is not applied.
PNL_POW0 error Flashes 5 times	H: On  L: Off	DET_POW0 error (L). Detected by the above polling. Detection starts in 400 ms after PNL_ON becomes High. Panel power is not applied.
Main error Flashes 7 times	H: On  L: Off	Main microprocessor detection error. (FAN error, 1bitAMP error, etc.)

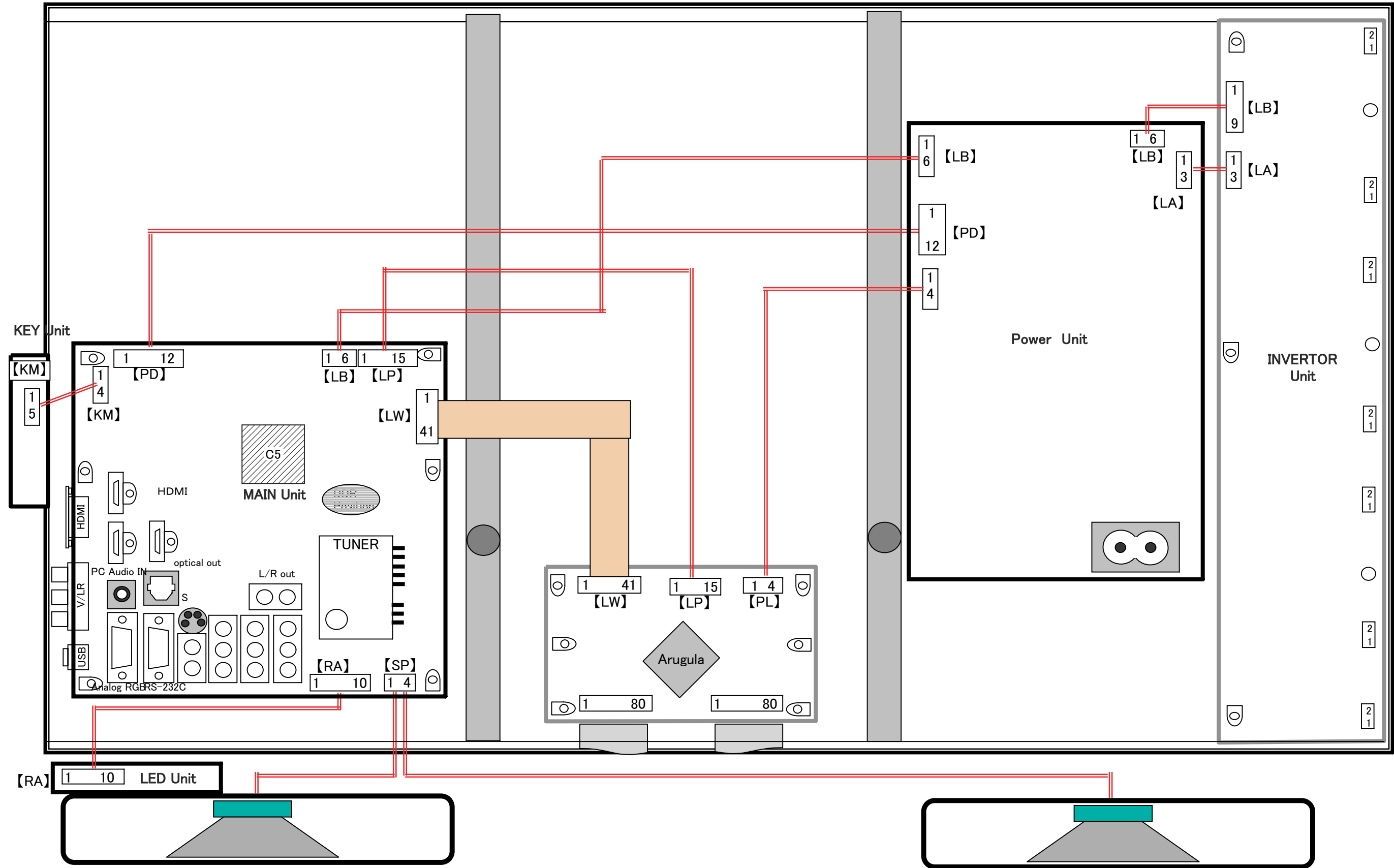
3) Communication error details (Power LED flashes 3 times and OPC LED flashes)

Error type	OPC LED operation (1 cycle)	Basically, log analysis of debug print statements or communication log analysis by a bus monitor is performed.
Initial communication reception error Flashes once	H: On  L: Off	Initial communication from the main CPU is not received. If initial communication from the main microprocessor is not received within 15 seconds during start-up, it is judged to be an error. The unit is reset and restarted until the third error, and error standby is activated at the fourth error. Communication line error or main CPU start-up failure.
Time-out setting reception error Start-up confirmation reception error Flashes twice	H: On  L: Off	Time-out setting and start-up mode change from the main CPU is not received. Main CPU start-up failure or front microprocessor reception failure.
Regular communication error Flashes 3 times	H: On  L: Off	In the operation state, regular communication is performed every 1 second. If communication from the min CPU is not received five times in a row, it is judged to be a regular communication error. The regular communication errors are counted. The unit is reset and restarted until the third error, and error standby is activated at the fourth error. The regular communication error counter is cleared to 0 when normal operation continues for 10 minutes. Main CPU start-up failure or front microprocessor reception failure.

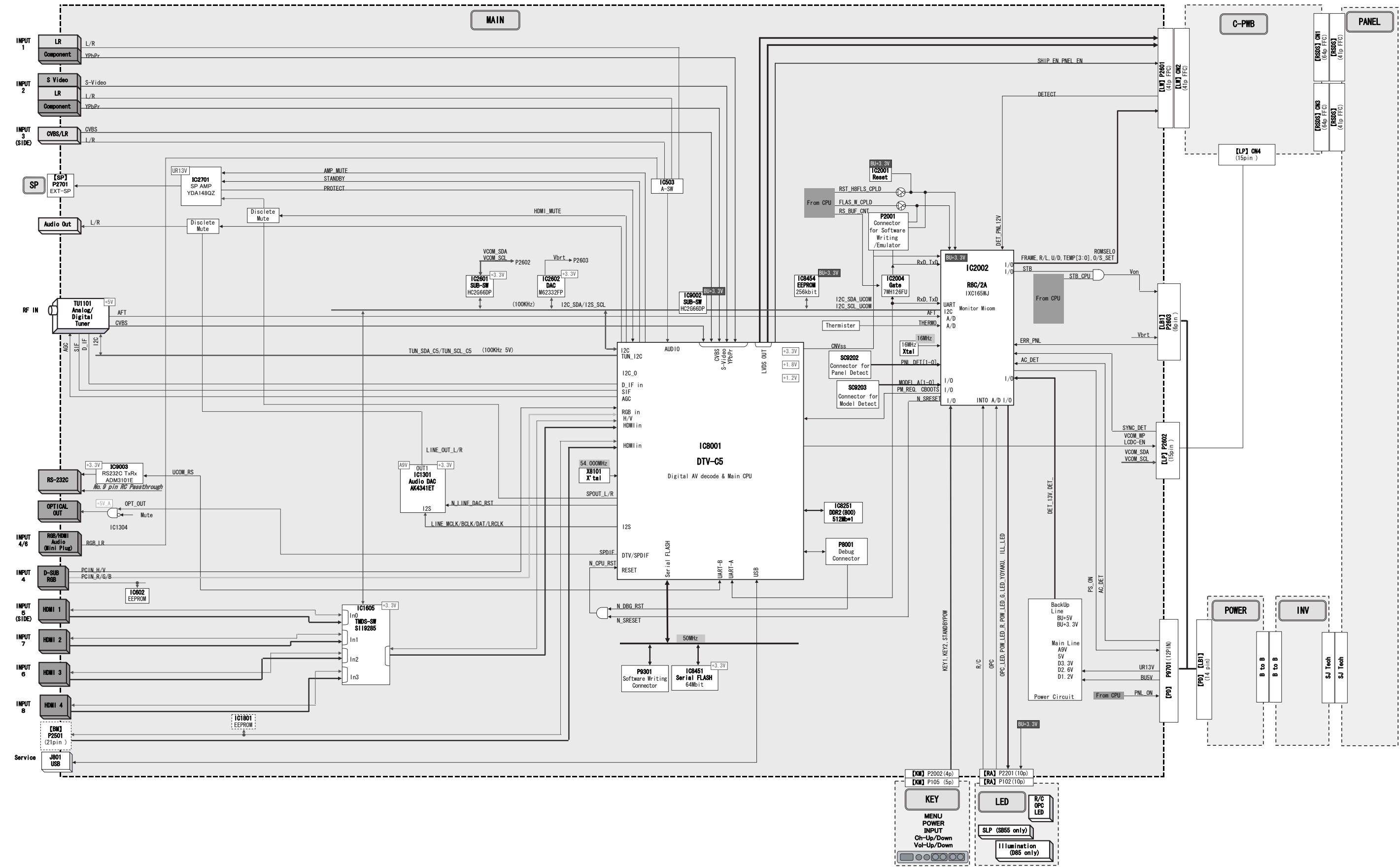
[1] OVERALL WIRING DIAGRAM (LC-40E67U)



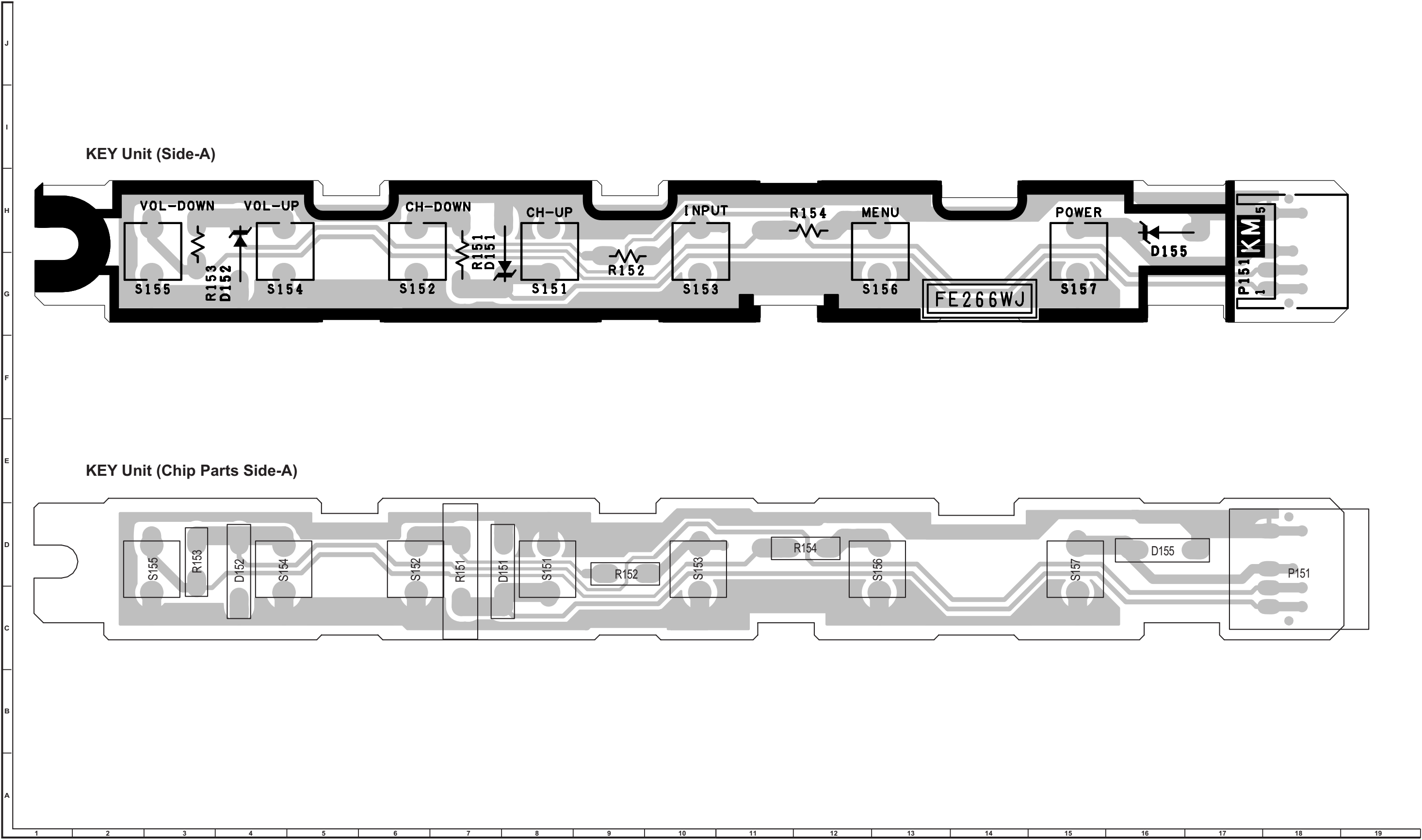
 heatsink must be attached on the component with this mark



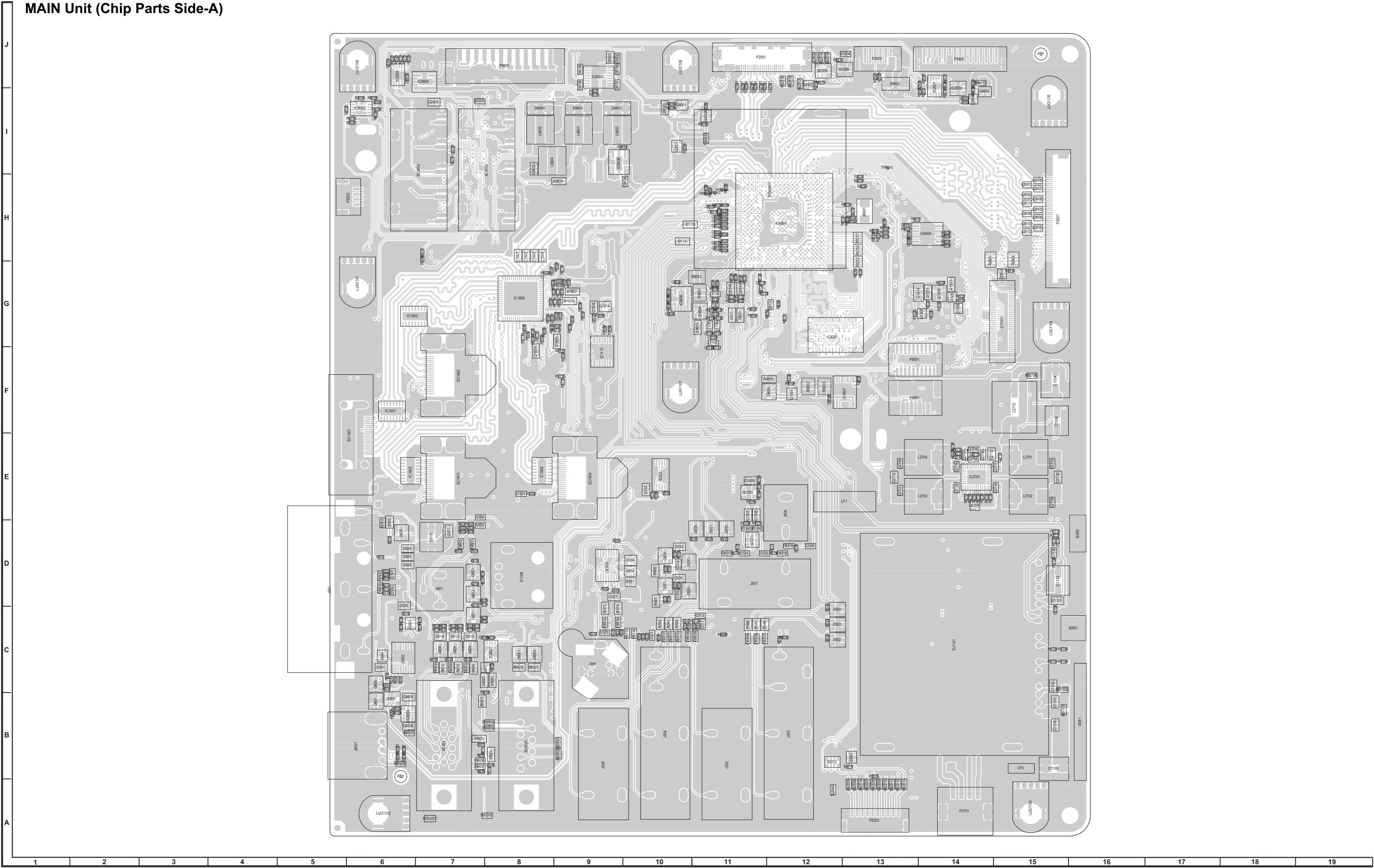
[3] SYSTEM BLOCK DIAGRAM



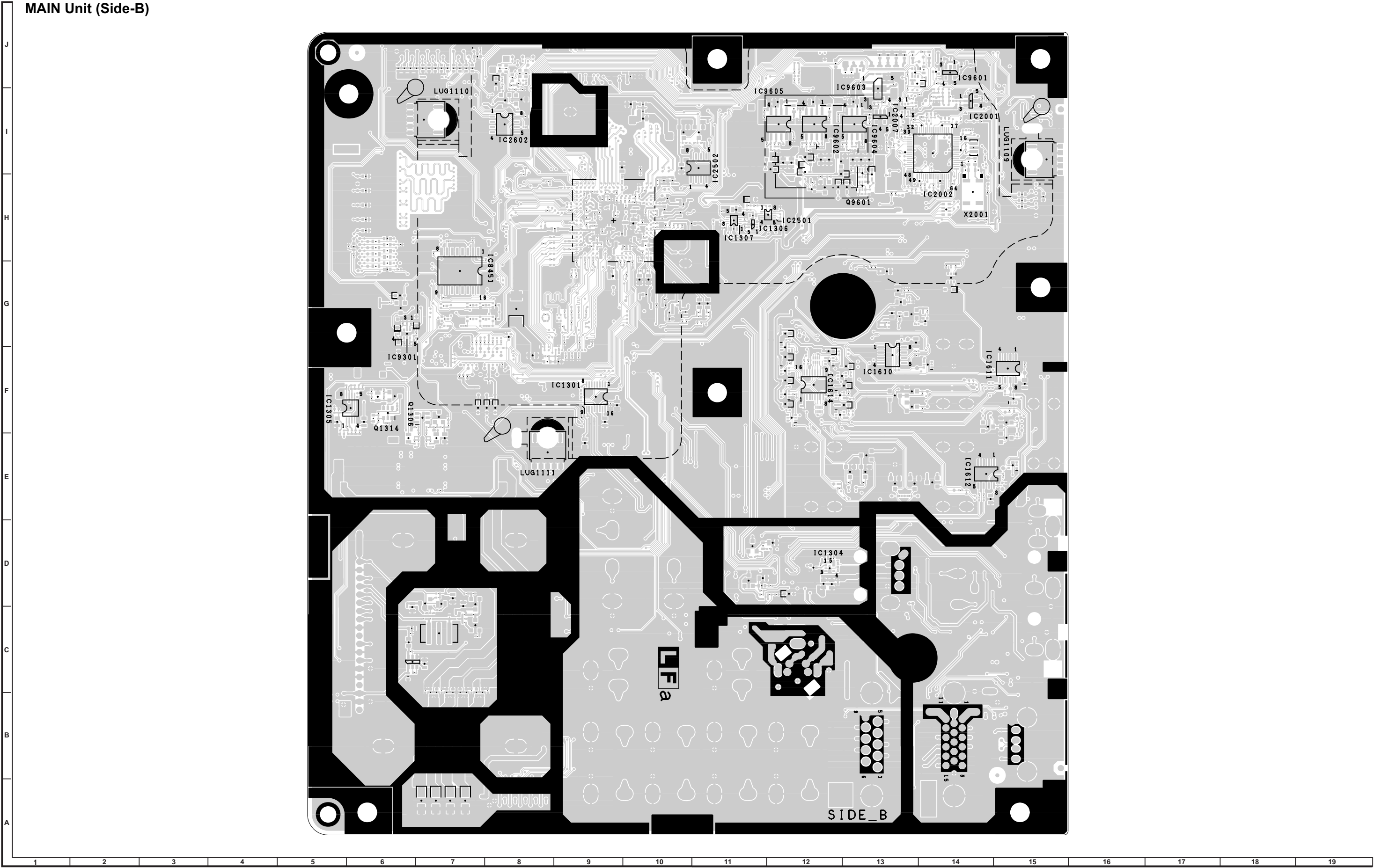
[1] KEY Unit



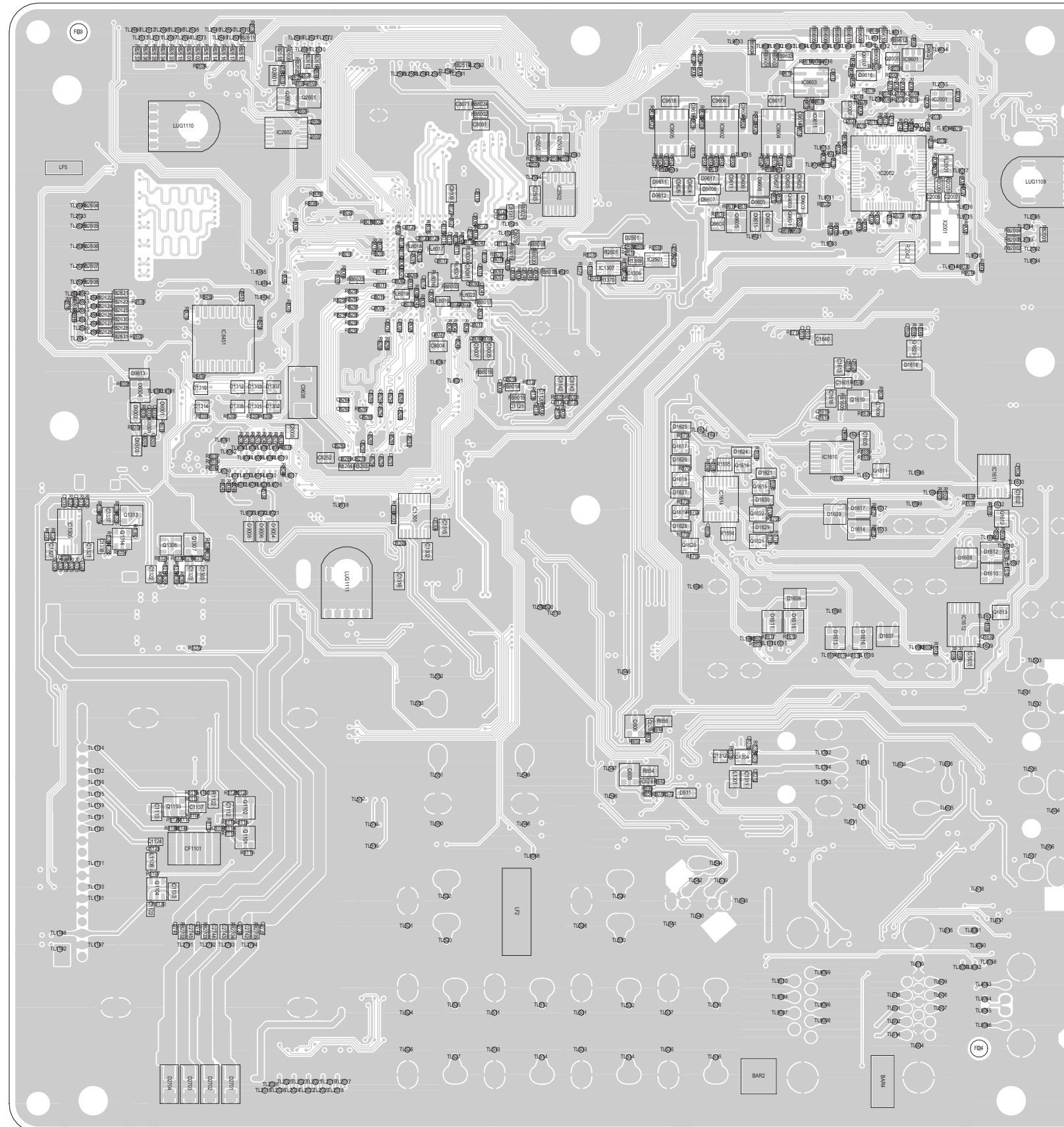
MAIN Unit (Chip Parts Side-A)



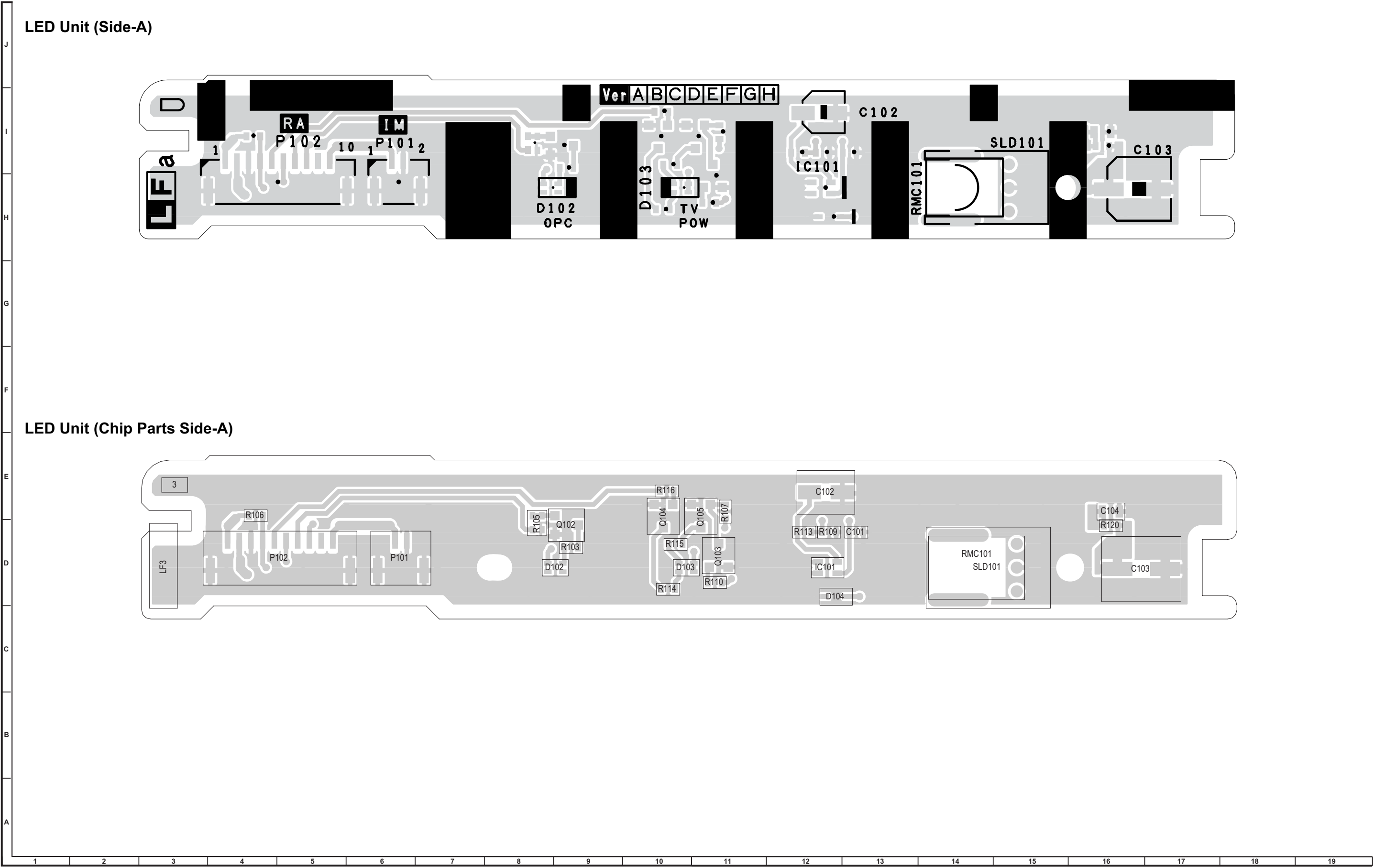
MAIN Unit (Side-B)



MAIN Unit (Chip Parts Side-B)



[3] LED Unit



CHAPTER 9. SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

1. VOLTAGE MEASUREMENT CONDITION:

- 1) The voltages at test points are measured on exclusive AC adaptor and the stable supply voltage of AC 120V. Signals are fed by a color bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

2. INDICATION OF RESISTOR & CAPACITOR:

RESISTOR


- 1) The unit of resistance " Ω " is omitted.
(K=k Ω =1000 Ω , M=M Ω).
- 2) All resistors are $\pm 5\%$, unless otherwise noted.
(K= $\pm 10\%$, F= $\pm 1\%$, D= $\pm 0.5\%$)
- 3) All resistors are 1/16W, unless otherwise noted.


CAPACITOR

- 1) All capacitors are μF , unless otherwise noted.
(P=pF= $\mu\mu\text{F}$).
- 2) All capacitors are 50V, unless otherwise noted.

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

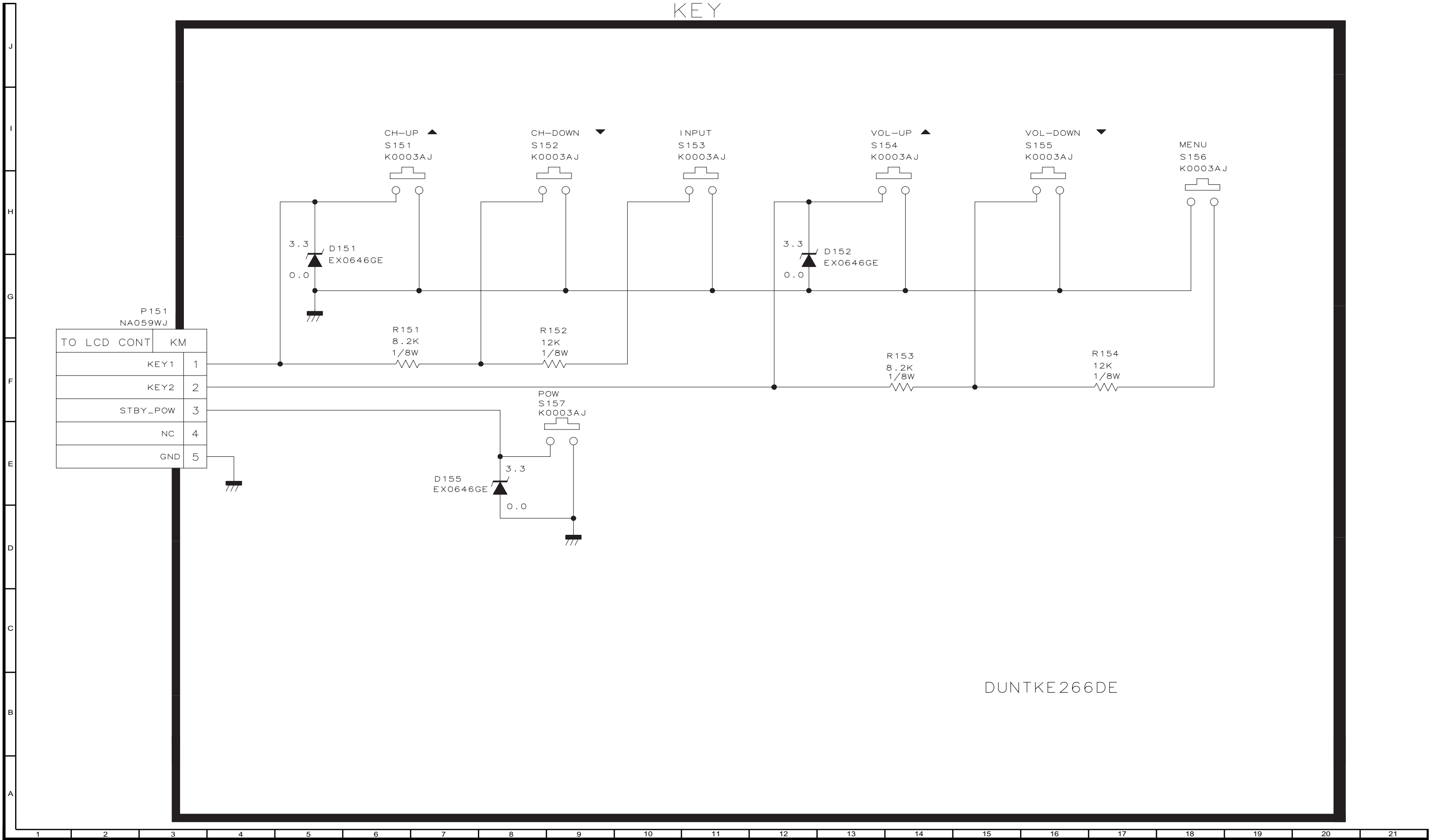
SAFETY NOTES:
1) DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2) SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:
PARTS MARKED WITH " ⚠ " () ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

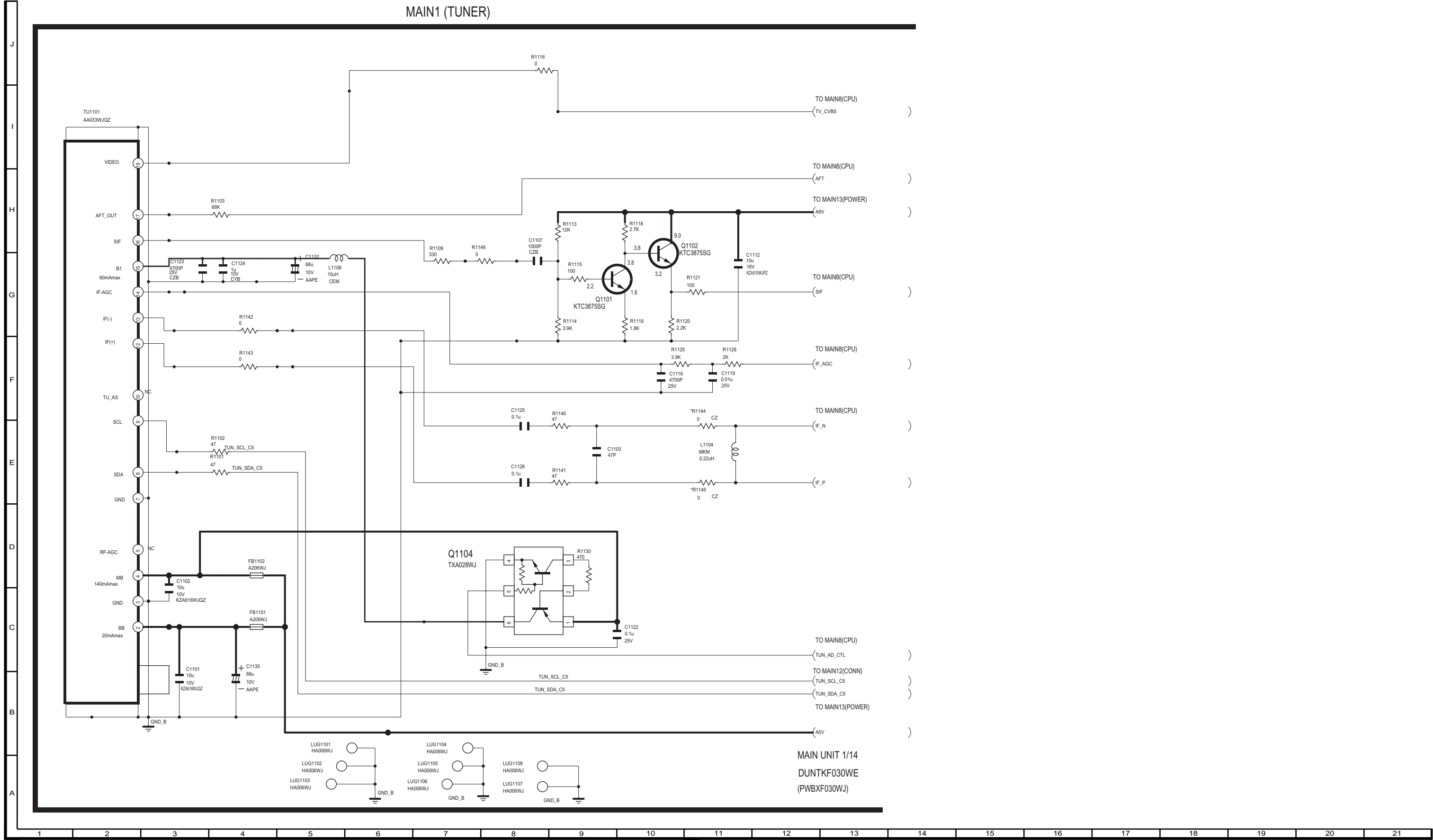
AVIS DE SECURITE IMPORTANT:
LES PIECES MARQUEES " ⚠ " () SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL. NE REMPLACER CES PIEDES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL.

[2] SCHEMATIC DIAGRAM

1. KEY Unit



2. MAIN Unit-1

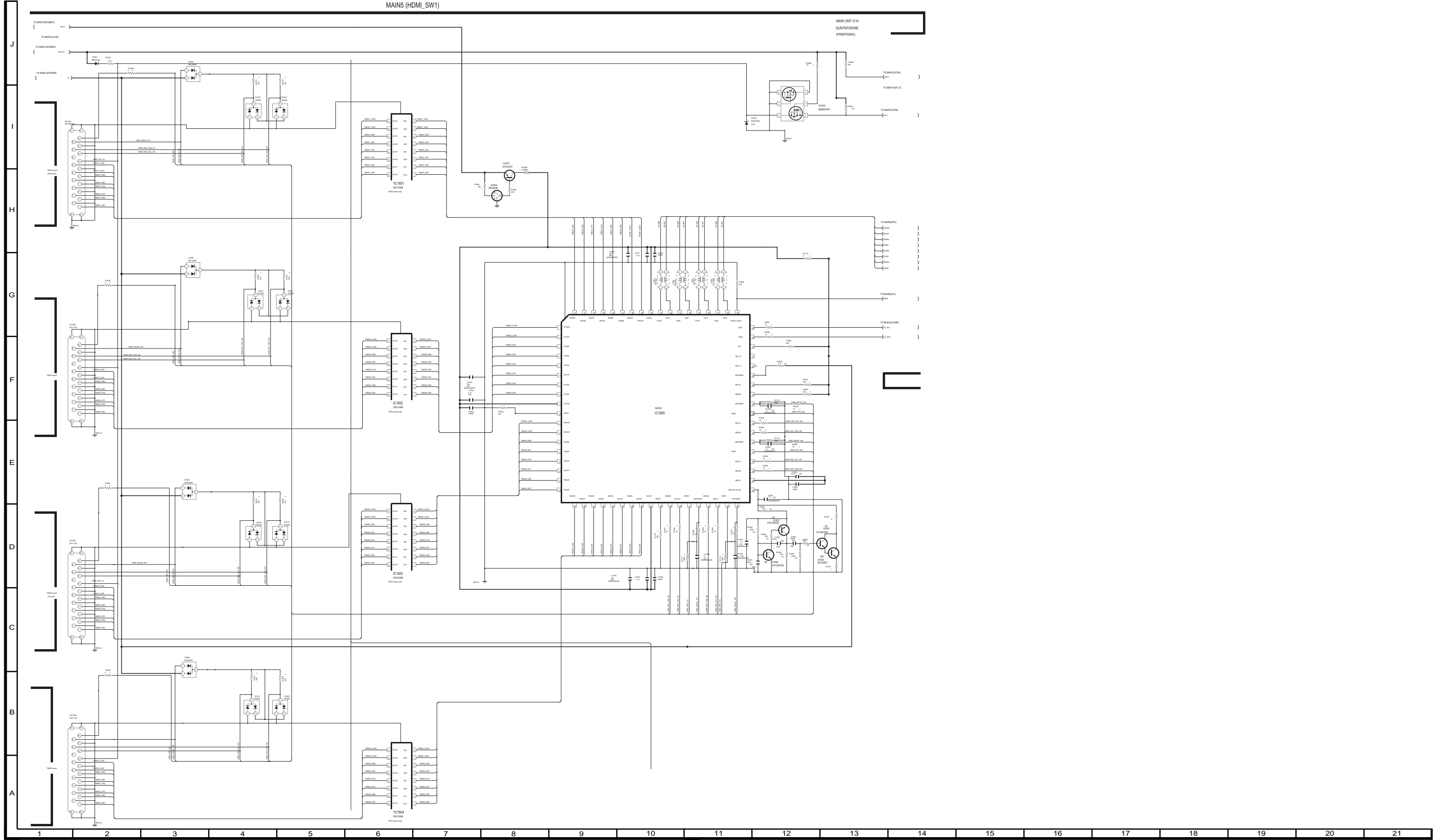


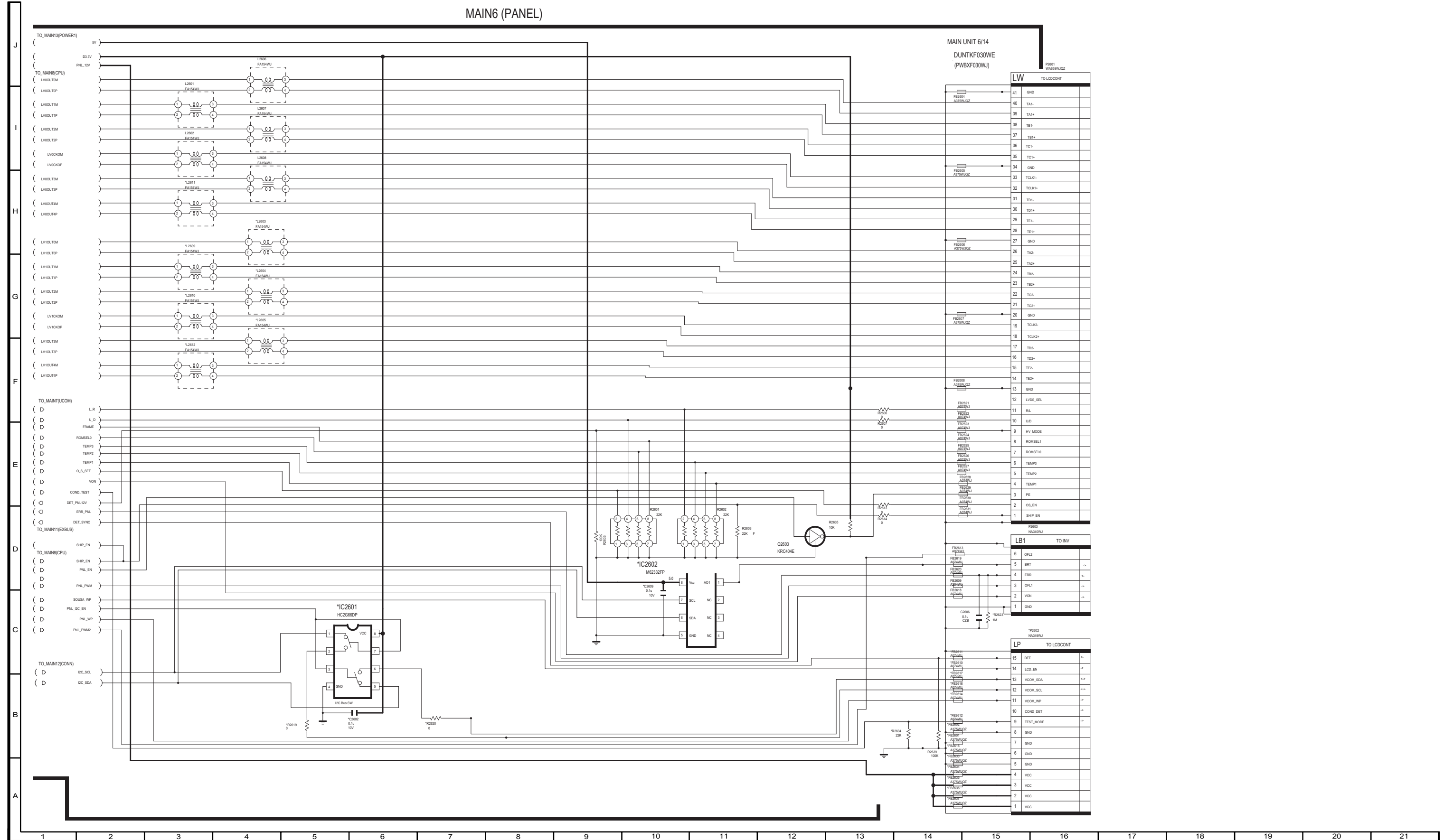






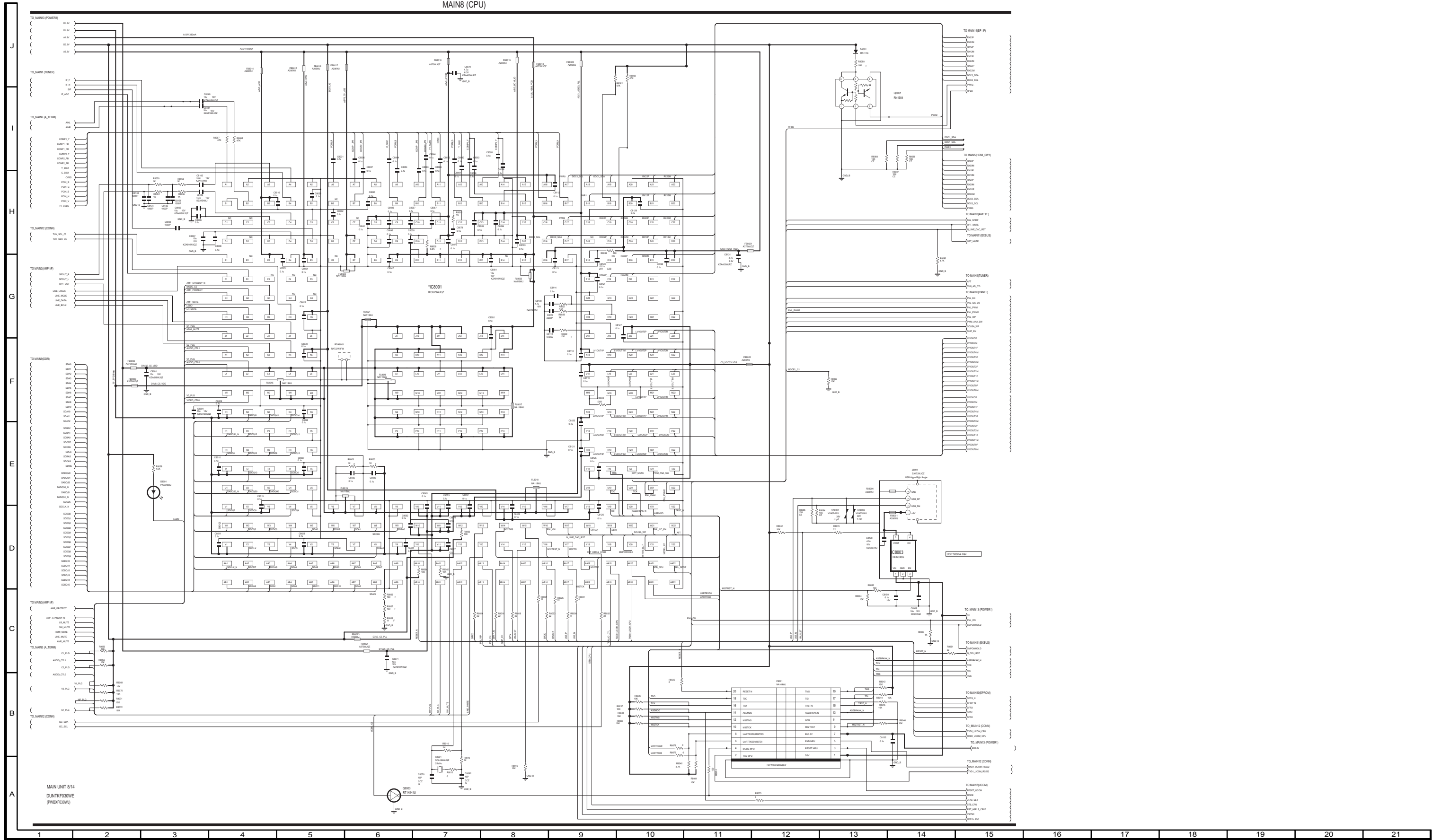
6. MAIN Unit-5



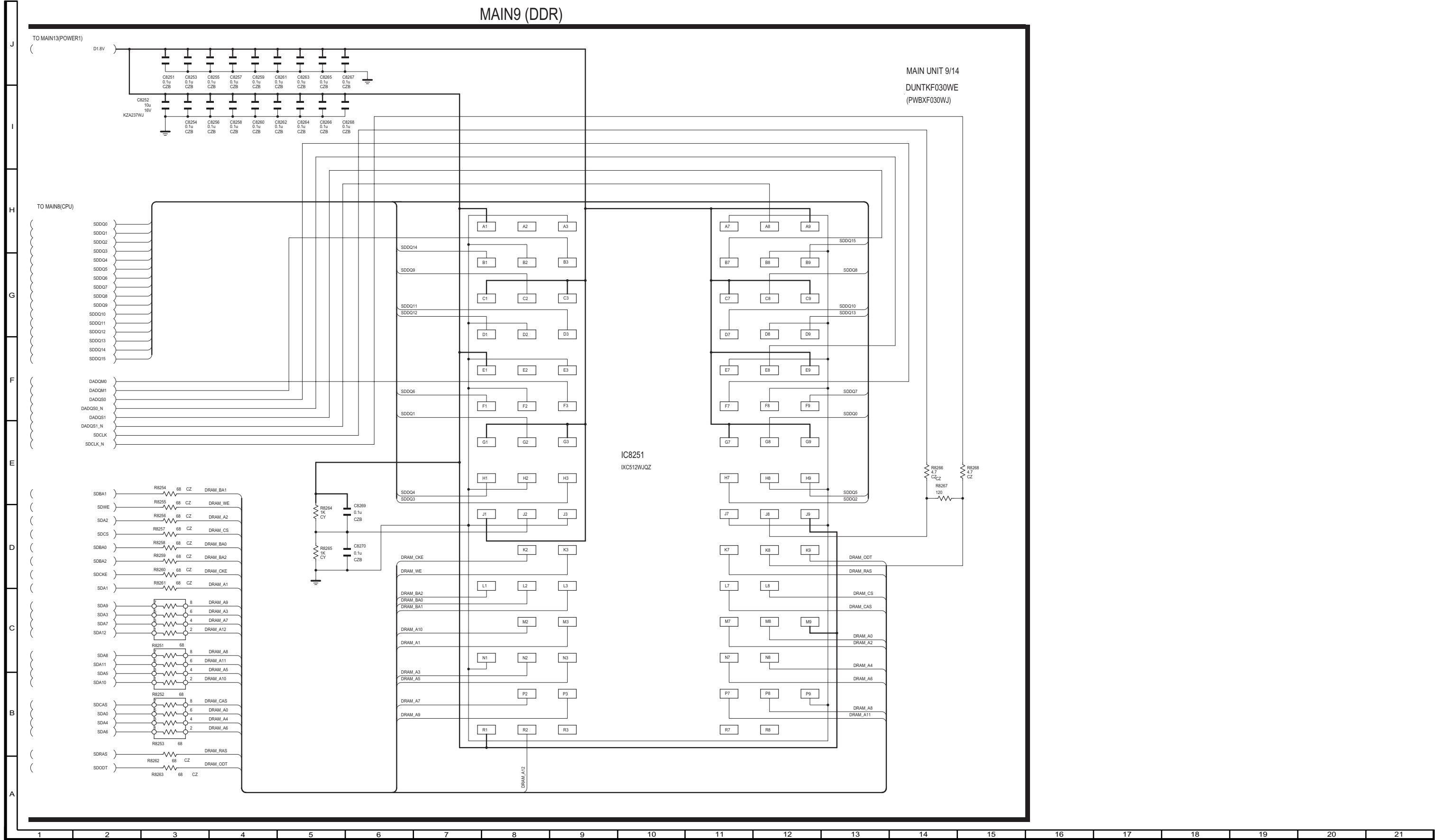




9. MAIN Unit-8



10. MAIN Unit-9



11. MAIN Unit-10

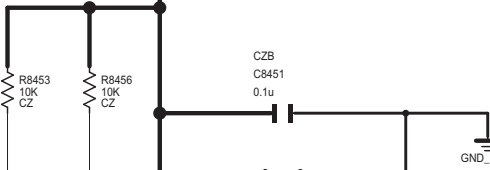
MAIN10 (EPROM)

MAIN UNIT 10/14
DUNTKF030WE
(PWBXF030WJ)

TO MAIN13(POWER1)

BU3.3V

D3.3V



TO MAIN8(CPU)

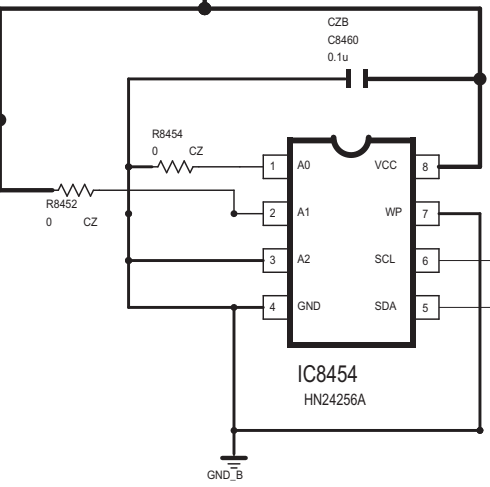
SFCS_N

SFRX

SFWP_N

SFTX

SFCK



R8474 47 CZ

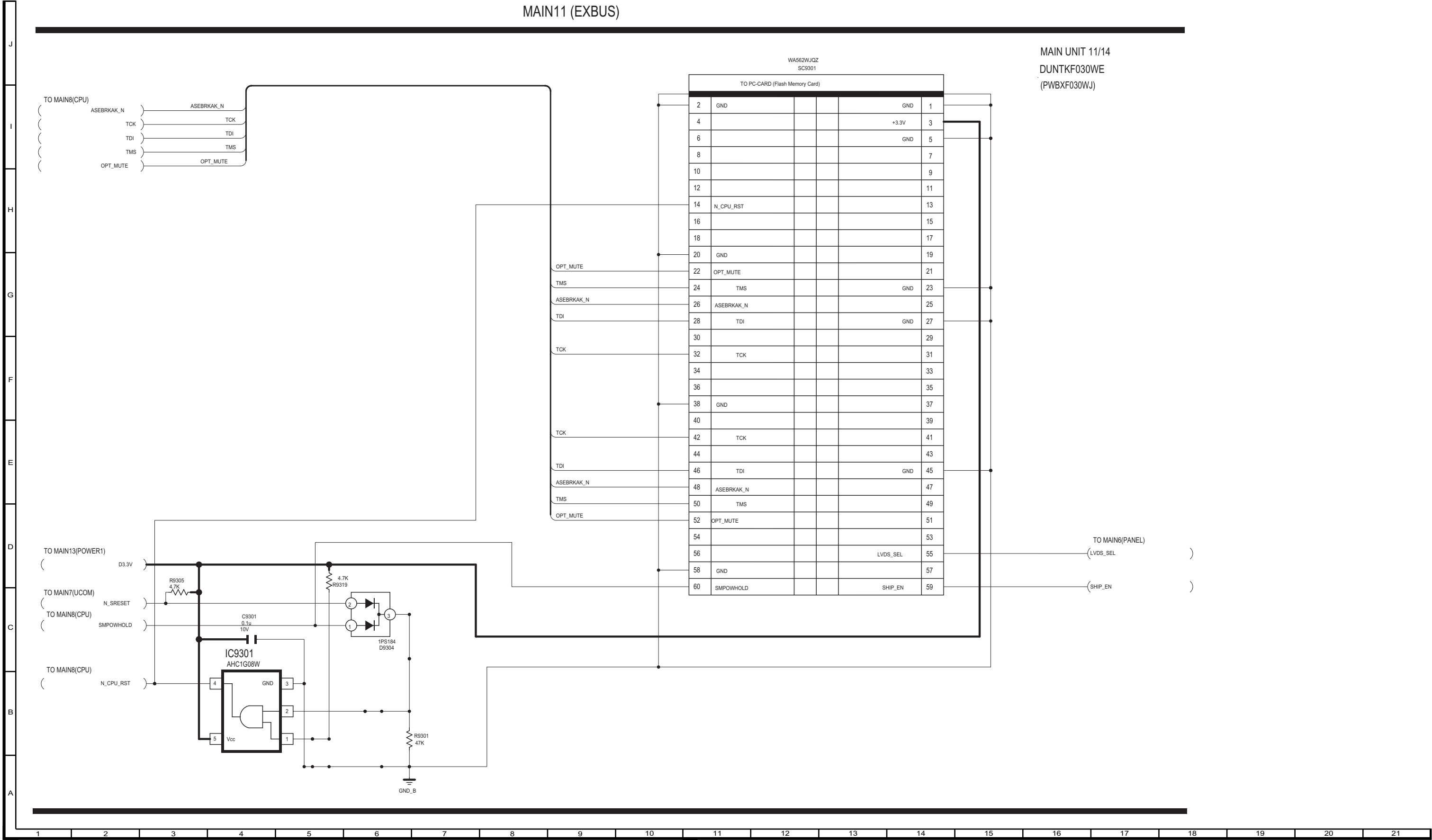
R8475 47 CZ

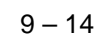
TO MAIN12(CONN)

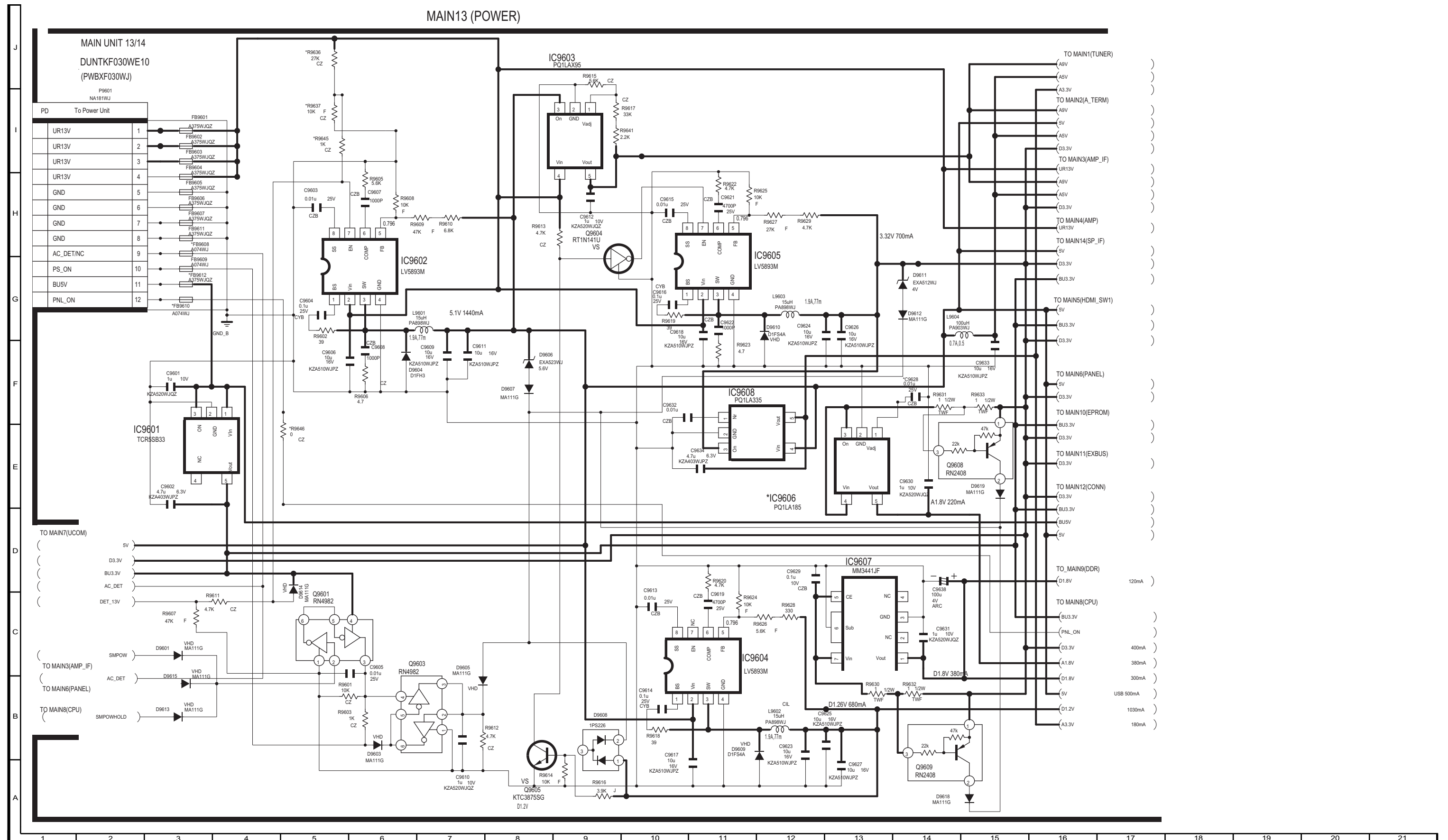
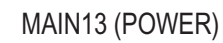
(I2C_SCL_UCOM

(I2C_SDA_UCOM

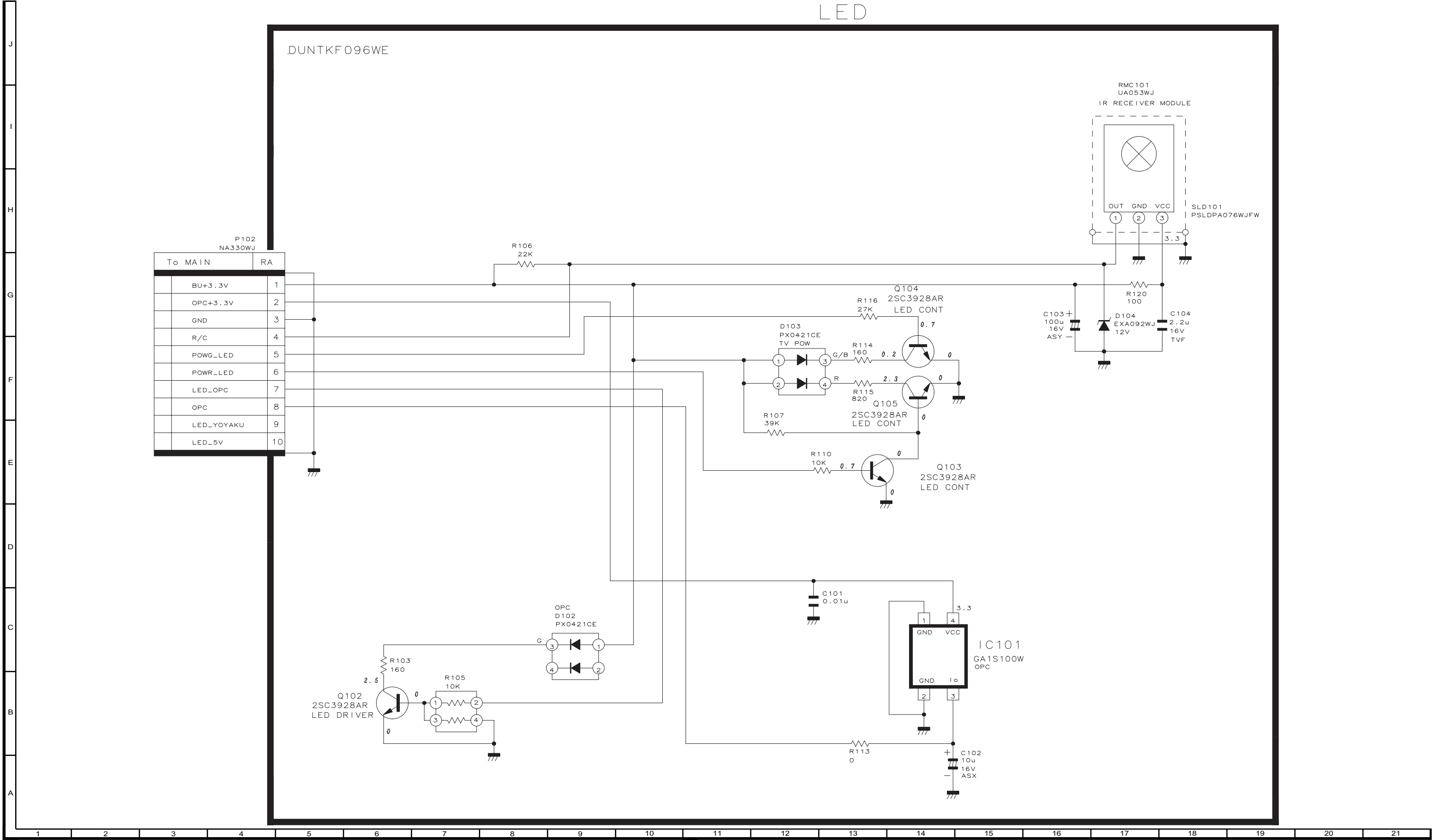
MAIN11 (EXBUS)







15. LED Unit



SHARP PARTS GUIDE

No. S39X4LC40E67U



LCD COLOR TELEVISION

LC-40E67U

MODELS LC-40E77U

Note:

The reference numbers on the PWB are arranged in alphabetical order.

CONTENTS

- | | |
|---|---|
| [1] PRINTED WIRING BOARD ASSEMBLIES | [6] CABINET AND MECHANICAL PARTS |
| [2] LCD PANEL MUDULE | [7] LCD MODULE Assembly |
| [3] DUNTKE266FM02 (KEY Unit) | [8] SUPPLIED ACCESSORIES |
| [4] DUNTKF030FM10(LC-40E67U)/
FM14 (LC-40E77U) (MAIN Unit) | [9] PACKING PARTS (NOT
REPLACEMENT ITEM) |
| [5] DUNTKF096FM01 (LED Unit) | [10] SERVICE JIG (USE FOR
SERVICING) |

Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[1] PRINTED WIRING BOARD ASSEMBLIES					
N	DUNTKE266FM02	AH	N	X	KEY Unit
N	DUNTKEF030FM10	BZ	N	X	MAIN Unit (LC-40E67U)
N	DUNTKEF030FM14	BZ	N	X	MAIN Unit (LC-40E77U)
N	DUNTKEF096FM01	AN	N	X	LED Unit
N	RDENCA354WJQZ	BP	N	X	POWER Unit
N	RUNTK4106TPZC			J	LCD Control Unit (LC-40E67U)
N	RUNTK4159TPZZ			J	LCD Control Unit (LC-40E77U)
N	RUNTKA568WJN1			J	INVERTER Unit
N	RUNTKA569WJZZ	AN		J	INVERTER GND-1 Unit
N	RUNTKA570WJZZ	AN		J	INVERTER GND-2 Unit
[2] LCD PANEL MUDULE					
	R1LK400D3LW10Z	DS	N	X	40"LCD Panel Module (LC-40E67U)
	R1LK400D3LW20Z	DW	N	X	40"LCD Panel Module (LC-40E77U)
[3] DUNTKE266FM02 (KEY Unit)					
D151	RH-EX0646GEZZY	AA		J	MTZJT-7215B
D152	RH-EX0646GEZZY	AA		J	MTZJT-7215B
D155	RH-EX0646GEZZY	AA		J	MTZJT-7215B
P151	QPLGNA059WJZZ	AC		J	PLUG
R151	VRD-RA2BE822JY	AA		J	8.2k 1/8W Carbon
R152	VRD-RA2BE123JY	AA		J	12k 1/8W Carbon
R153	VRD-RA2BE822JY	AA		J	8.2k 1/8W Carbon
R154	VRD-RA2BE123JY	AA		J	12k 1/8W Carbon
S151	QSW-K0003AJZZ+	AB		J	SWITCH
S152	QSW-K0003AJZZ+	AB		J	SWITCH
S153	QSW-K0003AJZZ+	AB		J	SWITCH
S154	QSW-K0003AJZZ+	AB		J	SWITCH
S155	QSW-K0003AJZZ+	AB		J	SWITCH
S156	QSW-K0003AJZZ+	AB		J	SWITCH
S157	QSW-K0003AJZZ+	AB		J	SWITCH
[4] DUNTKEF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
C501	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C509	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C511	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C513	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C523	RC-KZA403WJPZY	AB		J	CAPACITOR
C524	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C525	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C527	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C533	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C534	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C535	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C537	RC-KZ0083TAZZY	AC		J	CAPACITOR
C538	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C541	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C605	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C606	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C607	VCCCCZ1HH470JY	AB		J	47p 50V Ceramic
C608	VCCCCZ1HH470JY	AB		J	47p 50V Ceramic
C616	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C627	RC-KZA510WJPZY	AB		J	CAPACITOR
C637	VCCCCZ1HH221JY	AB		J	220p 50V Ceramic
C641	RC-KZA616WJQZY	AB		J	CAPACITOR
C642	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C1101	RC-KZA616WJQZY	AB		J	CAPACITOR
C1102	RC-KZA616WJQZY	AB		J	CAPACITOR
C1103	VCCCCZ1HH470JY	AB		J	47p 50V Ceramic
C1107	VCKYCY1HB102KY	AB		J	1000p 50V Ceramic
C1112	RC-KZA510WJPZY	AB		J	CAPACITOR
C1116	VCKYCY1EB472KY	AB		J	4700p 25V Ceramic
C1119	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C1122	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C1123	VCKYCY1EB472KY	AB		J	4700p 25V Ceramic
C1124	VCKYCY1AB105KY	AB		J	1 10V Ceramic
C1125	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C1126	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C1132	VCAAPE1AJ686MY	AE		J	68 10V Electrolytic
C1135	VCAAPE1AJ686MY	AE		J	68 10V Electrolytic
C1301	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C1302	RC-KZA510WJPZY	AB		J	CAPACITOR
C1303	RC-KZA510WJPZY	AB		J	CAPACITOR
C1304	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C1305	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C1306	VCKYTV1CB105KY	AC		J	1 16V Ceramic
C1307	VCKYTV1CB105KY	AC		J	1 16V Ceramic
C1309	RC-KZA510WJPZY	AB		J	CAPACITOR
C1310	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C1311	RC-KZA510WJPZY	AB		J	CAPACITOR
C1312	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C1314	RC-KZA098WJZZY	AD		J	CAPACITOR
C1315	RC-KZA510WJPZY	AB		J	CAPACITOR
C1316	RC-KZA510WJPZY	AB		J	CAPACITOR
C1613	RC-KZA510WJPZY	AB		J	CAPACITOR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
C1614	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C1615	VCKYCZ1HB102KY	AB		J	1000p 50V Ceramic
C1616	RC-KZA510WJPZY	AB		J	CAPACITOR
C1617	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C1618	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C1619	VCKYCZ1HB102KY	AB		J	1000p 50V Ceramic
C1620	VCKYCZ1HB102KY	AB		J	1000p 50V Ceramic
C1621	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C1622	VCKYCZ1HB102KY	AB		J	1000p 50V Ceramic
C1624	RC-KZA520WJQZY	AA		J	CAPACITOR
C1625	RC-KZA520WJQZY	AA		J	CAPACITOR
C1626	RC-KZA520WJQZY	AA		J	CAPACITOR
C1627	VCKYCZ1AB473KY	AB		J	0.047 10V Ceramic
C1628	RC-KZA520WJQZY	AA		J	CAPACITOR
C1629	RC-KZA520WJQZY	AA		J	CAPACITOR
C1630	RC-KZA520WJQZY	AA		J	CAPACITOR
C1640	RC-KZA510WJPZY	AB		J	CAPACITOR
C1641	VCKYCZ1EB472KY	AB		J	4700p 25V Ceramic
C1642	VCKYCZ1EB103KY	AA		J	0.01 25V Ceramic
C2001	RC-KZA510WJPZY	AB		J	CAPACITOR
C2002	VCKYCZ1HB152KY	AB		J	1500p 50V Ceramic
C2009	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2010	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2012	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2016	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2024	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2602	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2606	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2609	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C2704	RC-KZA114WJZZY	AB		J	CAPACITOR
C2705	RC-KZA114WJZZY	AB		J	CAPACITOR
C2706	RC-KZA114WJZZY	AB		J	CAPACITOR
C2707	RC-KZA114WJZZY	AB		J	CAPACITOR
C2710	VCERMZ1EN477MY	AE		J	470 25V CAPACITOR(AL)
C2711	VCKYCZ1EF104ZY	AA		J	0.1 25V Ceramic
C2712	RC-KZA510WJPZY	AB		J	CAPACITOR
C2713	VCKYCZ1EF104ZY	AA		J	0.1 25V Ceramic
C2716	RC-KZA114WJZZY	AB		J	CAPACITOR
C2717	RC-KZA114WJZZY	AB		J	CAPACITOR
C2723	RC-KZA114WJZZY	AB		J	CAPACITOR
C2724	RC-KZA114WJZZY	AB		J	CAPACITOR
C2725	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C2726	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C2727	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C2728	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C2730	VCKYTV1EB224KY	AA		J	0.22 25V Ceramic
C2731	VCKYTV1EB224KY	AA		J	0.22 25V Ceramic
C2737	VCCCCZ1HH151JY	AB		J	150p 50V Ceramic
C2738	VCCCCZ1HH151JY	AB		J	150p 50V Ceramic
C2740	VCCCCZ1HH151JY	AB		J	150p 50V Ceramic
C2741	VCCCCZ1HH151JY	AB		J	150p 50V Ceramic
C2748	VCCCCZ1HH101JY	AB		J	100p 50V Ceramic
C8001	RC-KZA616WJQZY	AB		J	CAPACITOR
C8003	VCKYCZ1HB102KY	AB		J	1000p 50V Ceramic
C8004	RC-KZA616WJQZY	AB		J	CAPACITOR
C8005	RC-KZA616WJQZY	AB		J	CAPACITOR
C8006	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8007	RC-KZA616WJQZY	AB		J	CAPACITOR
C8008	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8009	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8010	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8011	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8015	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8016	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8017	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8021	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8022	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8023	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8026	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8027	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8028	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8029	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8031	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8032	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8035	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8036	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8037	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8040	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8041	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8043	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8044	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8045	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8046	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8047	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic
C8054	VCKYCZ1AB104KY	AB		J	0.1 10V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
C8055	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8057	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8058	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8062	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8063	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8064	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8065	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8066	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8067	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8070	VCCCCZ1HH150GY	AA		J	15p 50V Ceramic
C8071	RC-KZA616WJQZY	AB		J	CAPACITOR
C8072	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8073	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8075	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8076	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8077	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8078	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8079	RC-KZA403WJPZY	AB		J	CAPACITOR
C8080	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8081	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8082	VCCCCZ1HH150GY	AA		J	15p 50V Ceramic
C8083	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8087	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8088	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8089	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8091	RC-KZA616WJQZY	AB		J	CAPACITOR
C8092	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8094	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8095	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8096	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8102	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8103	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8109	RC-KZA154WJZZY	AB		J	CAPACITOR
C8110	VCKY CZ1HB222KY	AB		J	2200p 50V Ceramic
C8111	VCKY CZ1CB223KY	AC		J	0.022 16V Ceramic
C8112	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8113	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8114	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8118	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8119	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8120	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8121	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8123	VCKY CZ1EB103KY	AA		J	0.01 25V Ceramic
C8124	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8125	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8126	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8127	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8128	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8129	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8131	RC-KZA403WJPZY	AB		J	CAPACITOR
C8132	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8133	VCCCCZ1HH102JY	AA		J	1000p 50V Ceramic
C8134	VCCCCZ1HH102JY	AA		J	1000p 50V Ceramic
C8135	VCCCCZ1HH102JY	AA		J	1000p 50V Ceramic
C8136	VCCCCZ1HH102JY	AA		J	1000p 50V Ceramic
C8138	RC-KZA067WJZZY	AB		J	CAPACITOR
C8140	RC-KZA616WJQZY	AB		J	CAPACITOR
C8141	RC-KZA616WJQZY	AB		J	CAPACITOR
C8142	RC-KZA154WJZZY	AB		J	CAPACITOR
C8143	RC-KZA154WJZZY	AB		J	CAPACITOR
C8150	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8251	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8252	RC-KZA237WJZZY	AB		J	CAPACITOR
C8253	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8254	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8255	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8256	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8257	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8258	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8259	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8260	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8261	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8262	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8263	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8264	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8265	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8266	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8267	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8268	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8269	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8270	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8451	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8460	VCKY CZ1AB104KY	AB		J	0.1 10V Ceramic
C8918	RC-KZA616WJQZY	AB		J	CAPACITOR
C9001	RC-KZA510WJPZY	AB		J	CAPACITOR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
C9002	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C9003	VCKYCY1EF104ZY	AA		J	0.1 25V Ceramic
C9004	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C9006	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9007	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9008	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9009	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9301	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C9601	RC-KZA520WJQZY	AA		J	CAPACITOR
C9602	RC-KZA403WJPZY	AB		J	CAPACITOR
C9603	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C9604	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9605	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C9606	RC-KZA510WJPZY	AB		J	CAPACITOR
C9607	VCKYCY1HB102KY	AB		J	1000p 50V Ceramic
C9608	VCKYCY1HB102KY	AB		J	1000p 50V Ceramic
C9609	RC-KZA510WJPZY	AB		J	CAPACITOR
C9610	RC-KZA520WJQZY	AA		J	CAPACITOR
C9611	RC-KZA510WJPZY	AB		J	CAPACITOR
C9612	RC-KZA520WJQZY	AA		J	CAPACITOR
C9613	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C9614	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9615	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C9616	VCKYCY1EB104KY	AB		J	0.1 25V Ceramic
C9617	RC-KZA510WJPZY	AB		J	CAPACITOR
C9618	RC-KZA510WJPZY	AB		J	CAPACITOR
C9619	VCKYCY1EB472KY	AB		J	4700p 25V Ceramic
C9621	VCKYCY1EB472KY	AB		J	4700p 25V Ceramic
C9622	VCKYCY1HB102KY	AB		J	1000p 50V Ceramic
C9623	RC-KZA510WJPZY	AB		J	CAPACITOR
C9624	RC-KZA510WJPZY	AB		J	CAPACITOR
C9625	RC-KZA510WJPZY	AB		J	CAPACITOR
C9626	RC-KZA510WJPZY	AB		J	CAPACITOR
C9627	RC-KZA510WJPZY	AB		J	CAPACITOR
C9628	VCKYCY1EB103KY	AA		J	0.01 25V Ceramic
C9629	VCKYCY1AB104KY	AB		J	0.1 10V Ceramic
C9630	RC-KZA520WJQZY	AA		J	CAPACITOR
C9631	RC-KZA520WJQZY	AA		J	CAPACITOR
C9632	VCKYCY1CB103KY	AB		J	0.01 16V Ceramic
C9633	RC-KZA510WJPZY	AB		J	CAPACITOR
C9634	RC-KZA403WJPZY	AB		J	CAPACITOR
C9638	VCARCD0GN107MY	AE		J	100 4.0V CAPACITOR(AL)
D501	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D502	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D503	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D504	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D505	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D506	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D508	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D509	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D510	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D601	VHDMZ9152WK/-1Y	AB		J	MA152WK-(TX)
D602	RH-EXA523WJZZY	AB		J	MAZ8056GML
D603	RH-EXA523WJZZY	AB		J	MAZ8056GML
D604	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D605	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D606	VHDMZ9120H-1Y	AC		J	MAZ91200H0L
D607	VHD1PS226+-1Y	AB		J	1PS226,115
D608	VHD1PS226+-1Y	AB		J	1PS226,115
D1302	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1304	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1305	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1306	VHPGPF5V1M-1	AG		J	PHOTODIODE
D1307	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1310	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1311	RH-EXA523WJZZY	AB		J	MAZ8056GML
D1312	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1313	VHDKDS4148/-1Y	AA		J	KDS4148U-RTK/P
D1314	VHD1SS361//--1Y	AB		J	1SS361(T5L,F,T)
D1601	VHDB520S30-1Y	AC		J	RB520S-30TE61
D1606	VHDMZ9152WK/-1Y	AB		J	MA152WK-(TX)
D1607	VHDMZ9152WK/-1Y	AB		J	MA152WK-(TX)
D1608	VHDMZ9152WK/-1Y	AB		J	MA152WK-(TX)
D1609	VHDMZ9152WK/-1Y	AB		J	MA152WK-(TX)
D1610	VHD1PS226+-1Y	AB		J	1PS226,115
D1611	VHD1PS226+-1Y	AB		J	1PS226,115
D1612	VHD1PS226+-1Y	AB		J	1PS226,115
D1613	VHD1PS226+-1Y	AB		J	1PS226,115
D1614	VHD1PS226+-1Y	AB		J	1PS226,115
D1615	VHD1PS226+-1Y	AB		J	1PS226,115
D1616	VHD1PS226+-1Y	AB		J	1PS226,115
D1617	VHD1PS226+-1Y	AB		J	1PS226,115
D1618	RH-EXA523WJZZY	AB		J	MAZ8056GML
D8001	RH-PXA018WJZZY	AC		J	GM1HD55200A
D8002	VHDMZ9111G+-1Y	AA		J	MA2J1110GL

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
D9001	VHDMAZ9120H-1Y	AC		J	MAZ91200H0L
D9002	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9005	VHDMAZ9120H-1Y	AC		J	MAZ91200H0L
D9007	RH-EX0262TAZZY	AB		J	PDZ7.5B.115
D9304	VHD1PS184+-1Y	AB		J	1PS184.115
D9601	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9603	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9604	VHDD1FH3+-1Y	AD		J	D1FH3-5053
D9605	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9606	RH-EXA523WJZZY	AB		J	MAZ8056GML
D9607	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9608	VHD1PS226+-1Y	AB		J	1PS226.115
D9609	VHDD1FS4A+-1Y	AC		J	D1FS4A-5063
D9610	VHDD1FS4A+-1Y	AC		J	D1FS4A-5063
D9611	RH-EXA512WJZZY	AB		J	MAZ8039GHL
D9612	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9613	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9614	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9615	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9618	VHDMA111G+-1Y	AA		J	MA2J1110GL
D9619	VHDMA111G+-1Y	AA		J	MA2J1110GL
FB501	RBLN-A204WJZZY	AA		J	BALUN
FB502	RBLN-A045WJZZY	AB		J	BALUN
FB503	RBLN-A045WJZZY	AB		J	BALUN
FB505	RBLN-A045WJZZY	AB		J	BALUN
FB506	RBLN-A045WJZZY	AB		J	BALUN
FB507	RBLN-A204WJZZY	AA		J	BALUN
FB508	RBLN-A204WJZZY	AA		J	BALUN
FB509	RBLN-A204WJZZY	AA		J	BALUN
FB510	RBLN-A204WJZZY	AA		J	BALUN
FB511	RBLN-A204WJZZY	AA		J	BALUN
FB512	RBLN-A204WJZZY	AA		J	BALUN
FB513	RBLN-A045WJZZY	AB		J	BALUN
FB514	RBLN-A045WJZZY	AB		J	BALUN
FB515	RBLN-A204WJZZY	AA		J	BALUN
FB516	RBLN-A204WJZZY	AA		J	BALUN
FB517	RBLN-A045WJZZY	AB		J	BALUN
FB518	RBLN-A045WJZZY	AB		J	BALUN
FB601	RBLN-A045WJZZY	AB		J	BALUN
FB602	RBLN-A045WJZZY	AB		J	BALUN
FB603	RBLN-0093GEZZY	AB		J	BALUN
FB604	RBLN-0093GEZZY	AB		J	BALUN
FB605	RBLN-0093GEZZY	AB		J	BALUN
FB606	RBLN-A204WJZZY	AA		J	BALUN
FB607	RBLN-A204WJZZY	AA		J	BALUN
FB1101	RBLN-A206WJZZY	AA		J	BALUN
FB1102	RBLN-A206WJZZY	AA		J	BALUN
FB1605	RBLN-A192WJZZY	AA		J	BALUN
FB2001	RBLN-A206WJZZY	AA		J	BALUN
FB2002	RBLN-A005WJZZY	AA		J	BALUN
FB2003	RBLN-A005WJZZY	AA		J	BALUN
FB2004	RBLN-A005WJZZY	AA		J	BALUN
FB2005	RBLN-A378WJQZY	AA		J	BALUN
FB2006	RBLN-A378WJQZY	AA		J	BALUN
FB2007	RBLN-A375WJQZY	AA		J	BALUN
FB2008	RBLN-A375WJQZY	AA		J	BALUN
FB2009	RBLN-A375WJQZY	AA		J	BALUN
FB2010	RBLN-A375WJQZY	AA		J	BALUN
FB2011	RBLN-A375WJQZY	AA		J	BALUN
FB2012	RBLN-A375WJQZY	AA		J	BALUN
FB2014	RBLN-A378WJQZY	AA		J	BALUN
FB2601	RBLN-A375WJQZY	AA		J	BALUN
FB2602	RBLN-A375WJQZY	AA		J	BALUN
FB2604	RBLN-A375WJQZY	AA		J	BALUN
FB2605	RBLN-A375WJQZY	AA		J	BALUN
FB2606	RBLN-A375WJQZY	AA		J	BALUN
FB2607	RBLN-A375WJQZY	AA		J	BALUN
FB2608	RBLN-A375WJQZY	AA		J	BALUN
FB2609	RBLN-A204WJZZY	AA		J	BALUN
FB2610	RBLN-A074WJZZY	AA		J	BALUN
FB2611	RBLN-A074WJZZY	AA		J	BALUN
FB2612	RBLN-A074WJZZY	AA		J	BALUN
FB2613	RBLN-A074WJZZY	AA		J	BALUN
FB2614	RBLN-A074WJZZY	AA		J	BALUN
FB2615	RBLN-A375WJQZY	AA		J	BALUN
FB2616	RBLN-A074WJZZY	AA		J	BALUN
FB2617	RBLN-A074WJZZY	AA		J	BALUN
FB2618	RBLN-A074WJZZY	AA		J	BALUN
FB2619	RBLN-A074WJZZY	AA		J	BALUN
FB2620	RBLN-A074WJZZY	AA		J	BALUN
FB2621	RBLN-A074WJZZY	AA		J	BALUN
FB2622	RBLN-A074WJZZY	AA		J	BALUN
FB2623	RBLN-A074WJZZY	AA		J	BALUN
FB2624	RBLN-A074WJZZY	AA		J	BALUN
FB2625	RBLN-A074WJZZY	AA		J	BALUN

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
FB2626	RBLN-A074WJZZY	AA		J	BALUN
FB2627	RBLN-A074WJZZY	AA		J	BALUN
FB2628	RBLN-A074WJZZY	AA		J	BALUN
FB2629	RBLN-A074WJZZY	AA		J	BALUN
FB2630	RBLN-A074WJZZY	AA		J	BALUN
FB2631	RBLN-A074WJZZY	AA		J	BALUN
FB2633	RBLN-A375WJQZY	AA		J	BALUN
FB2634	RBLN-A375WJQZY	AA		J	BALUN
FB2635	RBLN-A375WJQZY	AA		J	BALUN
FB2636	RBLN-A375WJQZY	AA		J	BALUN
FB2637	RBLN-A375WJQZY	AA		J	BALUN
FB2702	RBLN-A206WJZZY	AA		J	BALUN
FB2703	RBLN-A206WJZZY	AA		J	BALUN
FB2704	RBLN-A206WJZZY	AA		J	BALUN
FB2705	RBLN-A206WJZZY	AA		J	BALUN
FB2706	RBLN-A206WJZZY	AA		J	BALUN
FB8001	RBLN-A206WJZZY	AA		J	BALUN
FB8002	RBLN-A375WJQZY	AA		J	BALUN
FB8003	RBLN-A375WJQZY	AA		J	BALUN
FB8004	RBLN-A206WJZZY	AA		J	BALUN
FB8013	RBLN-A375WJQZY	AA		J	BALUN
FB8014	RBLN-A206WJZZY	AA		J	BALUN
FB8015	RBLN-A206WJZZY	AA		J	BALUN
FB8016	RBLN-A206WJZZY	AA		J	BALUN
FB8017	RBLN-A206WJZZY	AA		J	BALUN
FB8018	RBLN-A375WJQZY	AA		J	BALUN
FB8019	RBLN-A206WJZZY	AA		J	BALUN
FB8020	RBLN-A206WJZZY	AA		J	BALUN
FB8021	RBLN-A375WJQZY	AA		J	BALUN
FB8022	RBLN-A206WJZZY	AA		J	BALUN
FB8023	RBLN-A206WJZZY	AA		J	BALUN
FB8024	RBLN-A375WJQZY	AA		J	BALUN
FB9001	RBLN-A042WJZZY	AB		J	BALUN
FB9002	RBLN-A042WJZZY	AB		J	BALUN
FB9003	RBLN-A192WJZZY	AA		J	BALUN
FB9004	RBLN-A042WJZZY	AB		J	BALUN
FB9601	RBLN-A375WJQZY	AA		J	BALUN
FB9602	RBLN-A375WJQZY	AA		J	BALUN
FB9603	RBLN-A375WJQZY	AA		J	BALUN
FB9604	RBLN-A375WJQZY	AA		J	BALUN
FB9605	RBLN-A375WJQZY	AA		J	BALUN
FB9606	RBLN-A375WJQZY	AA		J	BALUN
FB9607	RBLN-A375WJQZY	AA		J	BALUN
FB9608	RBLN-A074WJZZY	AA		J	BALUN
FB9609	RBLN-A074WJZZY	AA		J	BALUN
FB9610	RBLN-A074WJZZY	AA		J	BALUN
FB9611	RBLN-A375WJQZY	AA		J	BALUN
FB9612	RBLN-A375WJQZY	AA		J	BALUN
FL2001	RFILZA003WJPZY	AD		J	FILTER
FL8015	RFILNA119WJZZY	AC		J	FILTER
FL8016	RFILNA119WJZZY	AC		J	FILTER
FL8017	RFILNA119WJZZY	AC		J	FILTER
FL8018	RFILNA119WJZZY	AC		J	FILTER
FL8019	RFILNA119WJZZY	AC		J	FILTER
FL8020	RFILNA119WJZZY	AC		J	FILTER
FL8021	RFILNA119WJZZY	AC		J	FILTER
FL8022	RFILNA119WJZZY	AC		J	FILTER
IC502	VHINJM4565V-1Y	AF		J	NJM4565V-TE1
IC503	VHITC4052BT-1Y	AF		J	TC4052BFT(EL,N,M)
IC601	VHILVC2G14G-1Y	AD		J	74LVC2G14GW,125
IC602	VHIS24CS02J-1Y	AD		J	S-24CS02AFJ-TB-G
IC1301	VHIAK4341ED-1Y	AG		X	AK4341ETD
IC1304	VHIAHC1G08W-1Y	AD		J	74AHC1G08GW/G,125
IC1601	VHICM123408-1Y	AE		J	CM1234-08DE
IC1602	VHICM123408-1Y	AE		J	CM1234-08DE
IC1603	VHICM123408-1Y	AE		J	CM1234-08DE
IC1604	VHICM123408-1Y	AE		J	CM1234-08DE
IC1609	VHISI9187+-1Q	AN		J	SI9187CNU
IC2001	VHIS80927NM-1Y	AC		J	S-80927CNMC-G8XT2G
IC2002	RH-IXC165WJN3Q	AQ		J	MONITOR MICON
IC2004	VH17WH126FU-1Y	AE		J	TC7WH126FU(TE12L,F)
IC2007	VHIAHC1G08W-1Y	AD		J	74AHC1G08GW/G,125
IC2601	VHHC2G66DP-1Y	AD		J	74HC2G66DP,125
IC2602	VHIM62332FP-1Y	AL		J	M62332FPCF5J
IC2701	VH1YDA148QZ-1Y	AL		J	YDA148-QZE2
IC8001	RH-IXC679WJQZQ	BG		J	R8J66957BG#RFJZ
IC8003	VHIBD6538G+-1Y	AD		J	BD6538G-TR
IC8251	RH-IXC512WJQZQ	AX		J	H5PS5162FFR-S5C
IC8451	VHIS25FL0643YS	AU		J	PROGRAM IC
IC8454	VH1HN24256A-1Y	AN		J	R1EX24256ASA00A
IC9001	VHITC7W00U/-1Y	AE		J	TC7W00FU(TE12L,F)
IC9002	VHHC2G66DP-1Y	AD		J	74HC2G66DP,125
IC9003	VH1ADM3101E-1Y	AF		J	ADM3101EARQZ-REEL
IC9301	VHIAHC1G08W-1Y	AD		J	74AHC1G08GW/G,125
IC9601	VH1TCR5SB33-1Y	AC		J	TCR5SB33(TE85L,F)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
IC9602	VHILV5893M+-1Y	AE		J	LV5893M-TE-L-E
IC9603	VHIPQ1LAX95-1Y	AD		J	PQ1LAX95MSPQ
IC9604	VHILV5893M+-1Y	AE		J	LV5893M-TE-L-E
IC9605	VHILV5893M+-1Y	AE		J	LV5893M-TE-L-E
IC9606	VHIPQ1LA185-1Y	AD		J	PQ1LA185MSPQ
IC9607	VHIMM3441JF-1Y	AD		J	MM3441JFBE
IC9608	VHIPQ1LA335-1Y	AD		J	PQ1LA355MSPQ
J501	QJAKGA079WJZZ	AD		J	JACK
J502	QJAKFA039WJZZ	AD		J	JACK
J503	QJAKGA108WJZZ	AE		J	JACK
J504	QJAKGA108WJZZ	AE		J	JACK
J505	QJAKFA039WJZZ	AD		J	JACK
J506	QSOCDA035WJZZ	AD		J	SOCKET
J507	QJAKFA039WJZZ	AD		J	JACK
J601	QJAKEA103WJZZ	AD		J	JACK
J8001	QSOCZA172WJQZ	AD		J	SOCKET
L1104	VPMKMR22JR37VY	AB		J	Peaking 0.22μH
L1108	VPCEM100MR70NY	AC		J	Peaking 10μH
L1301	VPCEM100MR70NY	AC		J	Peaking 10μH
L1601	RCILFA116WJZZY	AE		J	COIL
L1602	RCILFA116WJZZY	AE		J	COIL
L1603	RCILFA116WJZZY	AE		J	COIL
L1604	RCILFA116WJZZY	AE		J	COIL
L2601	RCILFA154WJZZY	AC		J	COIL
L2602	RCILFA154WJZZY	AC		J	COIL
L2603	RCILFA154WJZZY	AC		J	COIL
L2604	RCILFA154WJZZY	AC		J	COIL
L2605	RCILFA154WJZZY	AC		J	COIL
L2606	RCILFA154WJZZY	AC		J	COIL
L2607	RCILFA154WJZZY	AC		J	COIL
L2608	RCILFA154WJZZY	AC		J	COIL
L2609	RCILFA154WJZZY	AC		J	COIL
L2610	RCILFA154WJZZY	AC		J	COIL
L2611	RCILFA154WJZZY	AC		J	COIL
L2612	RCILFA154WJZZY	AC		J	COIL
L2701	RCILPA343WJPZY	AD		J	COIL
L2702	RCILPA343WJPZY	AD		J	COIL
L2703	RCILPA343WJPZY	AD		J	COIL
L2704	RCILPA343WJPZY	AD		J	COIL
L9601	RCILPA898WJZZY	AC		J	COIL
L9602	RCILPA898WJZZY	AC		J	COIL
L9603	RCILPA898WJZZY	AC		J	COIL
L9604	RCILPA903WJZZY	AC		J	COIL
LUG1101	QLUGHA006WJZZY	AC		J	LUG
LUG1102	QLUGHA006WJZZY	AC		J	LUG
LUG1103	QLUGHA006WJZZY	AC		J	LUG
LUG1104	QLUGHA006WJZZY	AC		J	LUG
LUG1105	QLUGHA006WJZZY	AC		J	LUG
LUG1106	QLUGHA006WJZZY	AC		J	LUG
LUG1107	QLUGHA006WJZZY	AC		J	LUG
LUG1108	QLUGHA006WJZZY	AC		J	LUG
P2002	QPLGNA338WJZZY	AD		J	PLUG
P2003	QPLGNA330WJZZY	AD		J	PLUG
P2601	QCNCWA659WJQZY	AH		J	CONNECTOR
P2602	QPLGNA349WJZZY	AE		J	PLUG
P2603	QPLGNA340WJZZY	AC		J	PLUG
P2701	QPLGNA160WJZZY	AD		J	PLUG
P8001	QPLGNA144WJZZY	AF		J	PLUG
P9601	QPLGNA181WJZZY	AF		J	PLUG
Q507	VSKTC3875SG-1Y	AB		J	Transistor
Q508	VSKTC3875SG-1Y	AB		J	Transistor
Q509	VSRN1903///-1Y	AB		J	RN1903(TE85L,F)
Q510	VSRN1903///-1Y	AB		J	RN1903(TE85L,F)
Q604	VSRN4983///-1Y	AC		J	RN4983(TE85L,F)
Q1101	VSKTC3875SG-1Y	AB		J	Transistor
Q1102	VSKTC3875SG-1Y	AB		J	Transistor
Q1104	RH-TXA028WJZZY	AC		J	PBLS2003D,115
Q1301	VSRN4983///-1Y	AC		J	RN4983(TE85L,F)
Q1304	VSKRC404E+-1Y	AB		J	KRC404E-RTK
Q1305	VSKRC404E+-1Y	AB		J	KRC404E-RTK
Q1306	VSiMH23T110-1Y	AC		J	IMH23T110
Q1307	VSKTA1504SG-1Y	AA		J	Transistor
Q1309	VSKTC3875SG-1Y	AB		J	Transistor
Q1310	VSKTA1504SG-1Y	AA		J	Transistor
Q1311	VSiMH23T110-1Y	AC		J	IMH23T110
Q1312	VSKRC404E+-1Y	AB		J	KRC404E-RTK
Q1609	VSKRC402E+-1Y	AB		J	Transistor
Q1610	VSKTA1535T+-1Y	AC		J	KTA1535T-RTK/P
Q1623	VSSSM6N15FU-1Y	AB		J	SSM6N15FU(TE85L,F)
Q1624	VSKTC3875SG-1Y	AB		J	Transistor
Q1625	VS2SC3265Y+-1Y	AC		J	2SC3265-Y(TE85L,F)
Q1626	VSKTC3875SG-1Y	AB		J	Transistor
Q1627	VSKTA1504SG-1Y	AA		J	Transistor
Q2006	VSRT1N141U/-1Y	AB		J	RT1N141U-T111-1
Q2603	VSKRC404E+-1Y	AB		J	KRC404E-RTK

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
Q2704	VSKRC404E++-1Y	AB		J	KRC404E-RTK
Q8001	VSRN1904///-1Y	AC		J	RN1904(TE85L,F)
Q8003	VSRT1N141U/-1Y	AB		J	RT1N141U-T111-1
Q9001	VSRN1102///-1Y	AB		J	RN1102(TE85L,F)
Q9601	VSRN4982///-1Y	AB		J	RN4982(TE85L,F)
Q9603	VSRN4982///-1Y	AB		J	RN4982(TE85L,F)
Q9604	VSRT1N141U/-1Y	AB		J	RT1N141U-T111-1
Q9605	VSKTC3875SG-1Y	AB		J	Transistor
Q9608	VSRN2408///-1Y	AA		J	RN2408(T5L,F,T)
Q9609	VSRN2408///-1Y	AA		J	RN2408(T5L,F,T)
R501	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R503	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R504	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R505	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R512	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R513	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R541	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R542	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R543	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R544	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R545	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R546	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R547	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R548	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R549	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R550	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R551	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R552	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R557	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R558	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R559	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R560	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R561	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R562	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R563	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R564	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R567	VRS-TV1JD471JY	AA		J	470 1/16W Metal Oxide
R568	VRS-TV1JD471JY	AA		J	470 1/16W Metal Oxide
R569	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R570	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R571	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R572	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R573	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R574	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R575	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R576	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R577	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R579	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R580	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R581	VRK-SB1FF223JY	AA		J	22k 1/32W Metal Composition
R582	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R583	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R603	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R604	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R605	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R606	VRS-CZ1JF221JY	AA		J	220 1/16W Metal Oxide
R607	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R608	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R609	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R610	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R611	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R612	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R613	VRS-TV1JD750JY	AA		J	75 1/16W Metal Oxide
R622	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R625	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R627	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R635	VRS-CZ1JF330JY	AA		J	33 1/16W Metal Oxide
R636	VRS-CZ1JF330JY	AA		J	33 1/16W Metal Oxide
R639	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R641	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R660	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R661	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R662	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1101	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R1102	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R1103	VRS-CZ1JF683JY	AA		J	68k 1/16W Metal Oxide
R1109	VRS-CZ1JF331JY	AA		J	330 1/16W Metal Oxide
R1113	VRS-CZ1JF123JY	AA		J	12k 1/16W Metal Oxide
R1114	VRS-CZ1JF392JY	AA		J	3.9k 1/16W Metal Oxide
R1115	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R1116	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1118	VRS-CZ1JF272JY	AA		J	2.7k 1/16W Metal Oxide
R1119	VRS-CZ1JF182JY	AA		J	1.8k 1/16W Metal Oxide
R1120	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R1121	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
R1125	VRS-CZ1JF392JY	AA		J	3.9k 1/16W Metal Oxide
R1128	VRS-CZ1JF202JY	AA		J	2k 1/16W Metal Oxide
R1130	VRS-CZ1JF471JY	AA		J	470 1/16W Metal Oxide
R1140	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R1141	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R1142	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1143	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1144	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1145	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1146	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1302	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1303	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1305	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1306	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1307	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1308	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R1310	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R1311	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R1314	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1315	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1317	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R1318	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R1322	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1323	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1324	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R1329	VRS-CZ1JF224JY	AA		J	220k 1/16W Metal Oxide
R1330	VRS-CZ1JF224JY	AA		J	220k 1/16W Metal Oxide
R1333	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R1334	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R1335	VRS-CZ1JF562JY	AA		J	5.6k 1/16W Metal Oxide
R1337	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R1338	VRS-CZ1JF332FY	AA		J	3.3k 1/16W Metal Oxide
R1339	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R1340	VRS-CY1JF564JY	AA		J	560k 1/16W Metal Oxide
R1341	VRS-CZ1JF153JY	AA		J	15k 1/16W Metal Oxide
R1342	VRS-CY1JF564JY	AA		J	560k 1/16W Metal Oxide
R1343	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1344	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1345	VRS-CZ1JF153JY	AA		J	15k 1/16W Metal Oxide
R1361	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1362	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1370	VRS-CY1JF000JY	AA		J	0 1/16W Metal Oxide
R1372	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R1601	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1602	VRS-CZ1JF273JY	AA		J	27k 1/16W Metal Oxide
R1603	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1604	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1609	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1612	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R1613	VRS-CZ1JF1R0JY	AA		J	1 1/16W Metal Oxide
R1614	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1615	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1616	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1617	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1618	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1619	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1620	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1621	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1622	VRS-CZ1JF471JY	AA		J	470 1/16W Metal Oxide
R1623	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R1624	VRS-CZ1JF274JY	AA		J	270k 1/16W Metal Oxide
R1625	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1626	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1627	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R1638	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1639	VRS-CZ1JF331JY	AA		J	330 1/16W Metal Oxide
R1640	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1641	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1642	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1643	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1644	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1645	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1646	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R1651	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1652	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R1653	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1654	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1655	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1656	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1657	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1658	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1660	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R1663	VRS-CZ1JF105JY	AA		J	1M 1/16W Metal Oxide
R1665	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R1667	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide

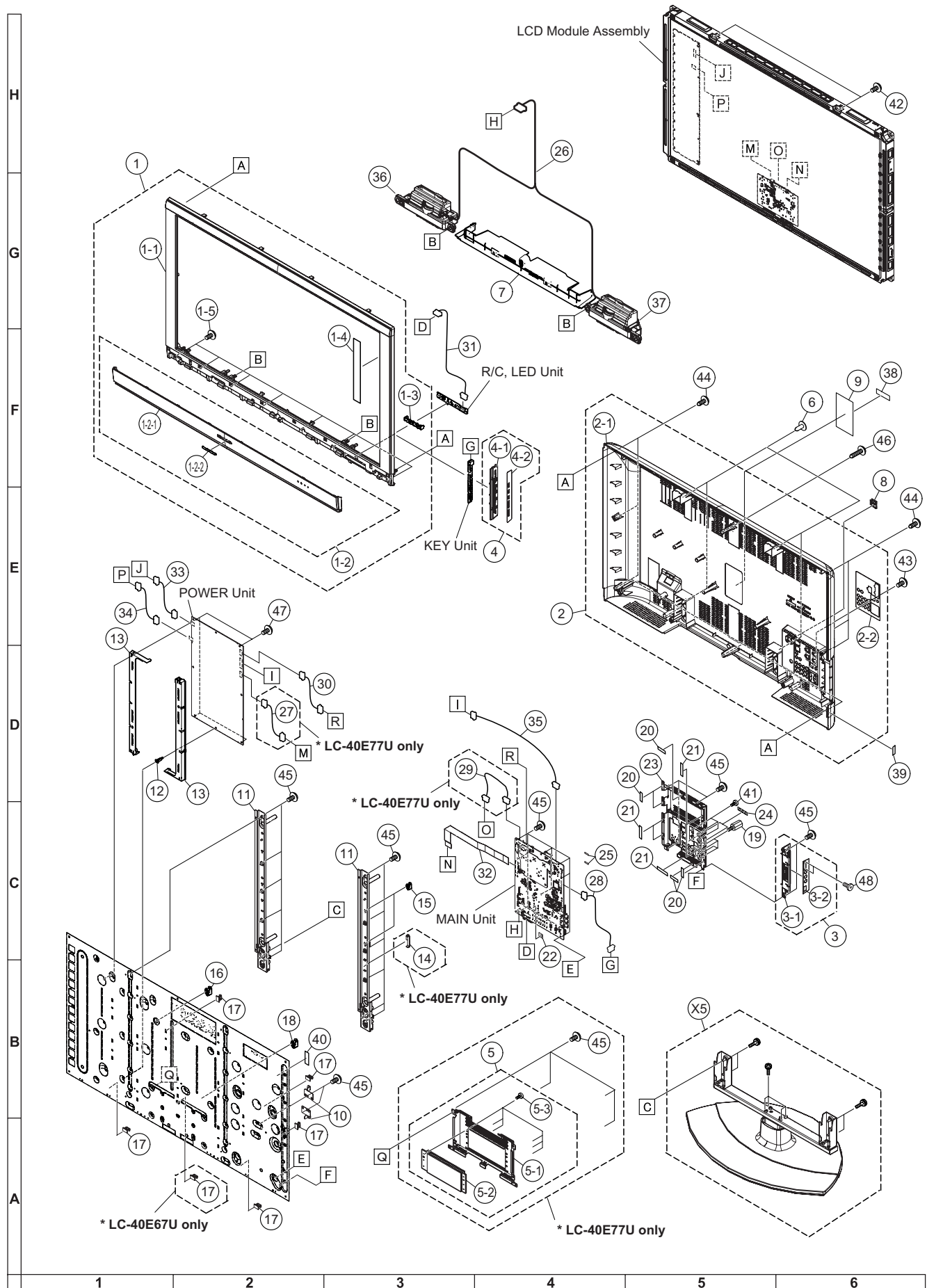
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
R1676	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1677	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1679	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1680	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R1710	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R1711	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R1712	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R1713	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R1714	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R1715	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2001	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R2002	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2003	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R2004	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R2005	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2006	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R2007	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2008	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R2009	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R2010	VRS-CZ1JF333JY	AA		J	33k 1/16W Metal Oxide
R2011	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R2012	VRS-CH1JF103JY	AA		J	10k 1/16W Metal Oxide
R2013	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2014	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2015	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2016	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2018	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2019	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R2022	VRS-CZ1JF333JY	AA		J	33k 1/16W Metal Oxide
R2023	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R2024	VRS-CZ1JF102FY	AA		J	1k 1/16W Metal Oxide
R2025	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R2026	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2027	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2028	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2029	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2030	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R2031	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R2032	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R2033	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R2034	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2035	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R2042	VRS-CH1JF101JY	AA		J	100 1/16W Metal Oxide
R2044	VRS-CZ1JF100JY	AA		J	10 1/16W Metal Oxide
R2047	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R2048	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R2049	VRS-CZ1JF272FY	AA		J	2.7k 1/16W Metal Oxide
R2075	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R2601	VRS-CH1JF223JY	AA		J	22k 1/16W Metal Oxide
R2602	VRS-CH1JF223JY	AA		J	22k 1/16W Metal Oxide
R2603	VRS-CZ1JF223FY	AA		J	22k 1/16W Metal Oxide
R2604	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R2606	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2607	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2613	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2614	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2619	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2620	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2623	VRS-CZ1JF105JY	AA		J	1M 1/16W Metal Oxide
R2635	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R2636	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R2639	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R2715	VRS-CZ1JF224FY	AA		J	220k 1/16W Metal Oxide
R2717	VRS-CZ1JF273FY	AA		J	27k 1/16W Metal Oxide
R2726	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R2730	VRS-CZ1JF224JY	AA		J	220k 1/16W Metal Oxide
R2741	VRS-CZ1JF753JY	AA		J	75k 1/16W Metal Oxide
R2742	VRS-CZ1JF273JY	AA		J	27k 1/16W Metal Oxide
R2752	VRS-CZ1JF224JY	AA		J	220k 1/16W Metal Oxide
R2753	VRS-CZ1JF683FY	AA		J	68k 1/16W Metal Oxide
R2754	VRS-CZ1JF223FY	AA		J	22k 1/16W Metal Oxide
R8003	VRS-CZ1JF102FY	AA		J	1k 1/16W Metal Oxide
R8004	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8005	VRS-CZ1JF102FY	AA		J	1k 1/16W Metal Oxide
R8006	VRS-CZ1JF101FY	AA		J	100 1/16W Metal Oxide
R8007	VRS-CZ1JF151FY	AA		J	150 1/16W Metal Oxide
R8008	VRS-CZ1JF110FY	AA		J	11 1/16W Metal Oxide
R8009	VRS-CZ1JF682FY	AA		J	6.8k 1/16W Metal Oxide
R8010	VRS-CZ1JF105JY	AA		J	1M 1/16W Metal Oxide
R8011	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8012	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8013	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8014	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8016	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8018	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
R8019	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8020	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R8021	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8023	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8025	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8027	VRS-CZ1JF752JY	AB		J	7.5k 1/16W Metal Oxide
R8028	VRS-CZ1JF302JY	AA		J	3k 1/16W Metal Oxide
R8029	VRS-CZ1JF122FY	AA		J	1.2k 1/16W Metal Oxide
R8030	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8031	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8032	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8033	VRS-CZ1JF562FY	AA		J	5.6k 1/16W Metal Oxide
R8034	VRS-CZ1JF561JY	AA		J	560 1/16W Metal Oxide
R8035	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8036	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8037	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8038	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8039	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8040	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R8041	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8042	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8043	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8044	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8045	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8046	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8050	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8051	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8053	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8055	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8056	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R8059	VRS-CZ1JF152JY	AA		J	1.5k 1/16W Metal Oxide
R8060	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8061	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8062	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8063	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8064	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8065	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8066	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8067	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R8068	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R8069	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8070	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8071	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8072	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8073	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8074	VRS-CZ1JF101JY	AA		J	100 1/16W Metal Oxide
R8076	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R8078	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8079	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8080	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R8082	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R8083	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R8084	VRS-CZ1JF153JY	AA		J	15k 1/16W Metal Oxide
R8085	VRS-CZ1JF153JY	AA		J	15k 1/16W Metal Oxide
R8086	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8087	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8088	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8090	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R8251	VRS-CG1JF680JY	AA		X	68 1/16W Metal Oxide
R8252	VRS-CG1JF680JY	AA		X	68 1/16W Metal Oxide
R8253	VRS-CG1JF680JY	AA		X	68 1/16W Metal Oxide
R8254	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8255	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8256	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8257	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8258	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8259	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8260	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8261	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8262	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8263	VRS-CZ1JF680JY	AB		J	68 1/16W Metal Oxide
R8264	VRS-CY1JF102FY	AA		J	1k 1/16W Metal Oxide
R8265	VRS-CY1JF102FY	AA		J	1k 1/16W Metal Oxide
R8266	VRS-CZ1JF4R7JY	AA		J	4.7 1/16W Metal Oxide
R8267	VRS-CZ1JF121JY	AA		J	120 1/16W Metal Oxide
R8268	VRS-CZ1JF4R7JY	AA		J	4.7 1/16W Metal Oxide
R8452	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8453	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8454	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
R8456	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8457	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R8474	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R8475	VRS-CZ1JF470JY	AA		J	47 1/16W Metal Oxide
R9001	VRS-TV1JD101JY	AA		J	100 1/16W Metal Oxide
R9002	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[4] DUNTKF030FM10(LC-40E67U)/FM14 (LC-40E77U) (MAIN Unit)					
R9003	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9004	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9005	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9006	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R9007	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9008	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9009	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R9010	VRS-CZ1JF332JY	AA		J	3.3k 1/16W Metal Oxide
R9011	VRS-CZ1JF332JY	AA		J	3.3k 1/16W Metal Oxide
R9012	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R9013	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R9014	VRS-CZ1JF153FY	AA		J	15k 1/16W Metal Oxide
R9015	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9016	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R9017	VRS-CZ1JF220JY	AA		J	22 1/16W Metal Oxide
R9018	VRS-CZ1JF153FY	AA		J	15k 1/16W Metal Oxide
R9019	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R9020	VRS-TV1JD101JY	AA		J	100 1/16W Metal Oxide
R9021	VRS-TV1JD101JY	AA		J	100 1/16W Metal Oxide
R9023	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R9025	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R9026	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9027	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R9028	VRS-CZ1JF223JY	AA		J	22k 1/16W Metal Oxide
R9029	VRS-CZ1JF104JY	AA		J	100k 1/16W Metal Oxide
R9030	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9031	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9032	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9035	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9301	VRS-CZ1JF473JY	AA		J	47k 1/16W Metal Oxide
R9305	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9319	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9601	VRS-CZ1JF103JY	AA		J	10k 1/16W Metal Oxide
R9602	VRS-CZ1JF390JY	AA		J	39 1/16W Metal Oxide
R9603	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R9605	VRS-CZ1JF562JY	AA		J	5.6k 1/16W Metal Oxide
R9606	VRS-CZ1JF4R7JY	AA		J	4.7 1/16W Metal Oxide
R9607	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R9608	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R9609	VRS-CZ1JF473FY	AA		J	47k 1/16W Metal Oxide
R9610	VRS-CZ1JF682JY	AA		J	6.8k 1/16W Metal Oxide
R9611	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9612	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9613	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9614	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R9615	VRS-CZ1JF562FY	AA		J	5.6k 1/16W Metal Oxide
R9616	VRS-CZ1JF392JY	AA		J	3.9k 1/16W Metal Oxide
R9617	VRS-CZ1JF333FY	AA		J	33k 1/16W Metal Oxide
R9618	VRS-CZ1JF390JY	AA		J	39 1/16W Metal Oxide
R9619	VRS-CZ1JF390JY	AA		J	39 1/16W Metal Oxide
R9620	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9622	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9623	VRS-CZ1JF4R7JY	AA		J	4.7 1/16W Metal Oxide
R9624	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R9625	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R9626	VRS-CZ1JF562FY	AA		J	5.6k 1/16W Metal Oxide
R9627	VRS-CZ1JF273FY	AA		J	27k 1/16W Metal Oxide
R9628	VRS-CZ1JF331JY	AA		J	330 1/16W Metal Oxide
R9629	VRS-CZ1JF472JY	AA		J	4.7k 1/16W Metal Oxide
R9630	VRS-TW2HF1R0JY	AA		J	1 1/2W Metal Oxide
R9631	VRS-TW2HF1R0JY	AA		J	1 1/2W Metal Oxide
R9632	VRS-TW2HF1R0JY	AA		J	1 1/2W Metal Oxide
R9633	VRS-TW2HF1R0JY	AA		J	1 1/2W Metal Oxide
R9636	VRS-CZ1JF273JY	AA		J	27k 1/16W Metal Oxide
R9637	VRS-CZ1JF103FY	AB		J	10k 1/16W Metal Oxide
R9641	VRS-CZ1JF222JY	AA		J	2.2k 1/16W Metal Oxide
R9645	VRS-CZ1JF102JY	AA		J	1k 1/16W Metal Oxide
R9646	VRS-CZ1JF000JY	AA		J	0 1/16W Metal Oxide
RDA8001	PRDARA733WJFW	AG		J	HEAT SINK
SC601	QSOCNA770WJZZ	AG		J	SOCKET
SC1601	QSOCZA149WJQZY	AF		J	SOCKET
SC1602	QSOCZA171WJZZY	AF		J	SOCKET
SC1603	QSOCZA171WJZZY	AF		J	SOCKET
SC1604	QSOCZA171WJZZY	AF		J	SOCKET
SC9001	QSOCNA769WJZZ	AG		J	SOCKET
SC9002	QCNCWA715WJQZY	AK		J	CONNECTOR
SC9003	QCNCWA715WJQZY	AK		J	CONNECTOR
SC9301	QCNCWA562WJQZY	AF		J	CONNECTOR
TH2001	VHHM1103J03-1Y	AC		J	THERMISTOR
TU1101	RTUDAA033WJQZ	AY		J	TUNER
VA8001	RH-VXA074WJZZY	AB		J	AVRL101A1R1NTB
VA8002	RH-VXA074WJZZY	AB		J	AVRL101A1R1NTB
X8001	RCRSCA164WJQZY	AE		J	CRYSTAL
N	PSPA ZC290WJKZ	AK		X	SPACER

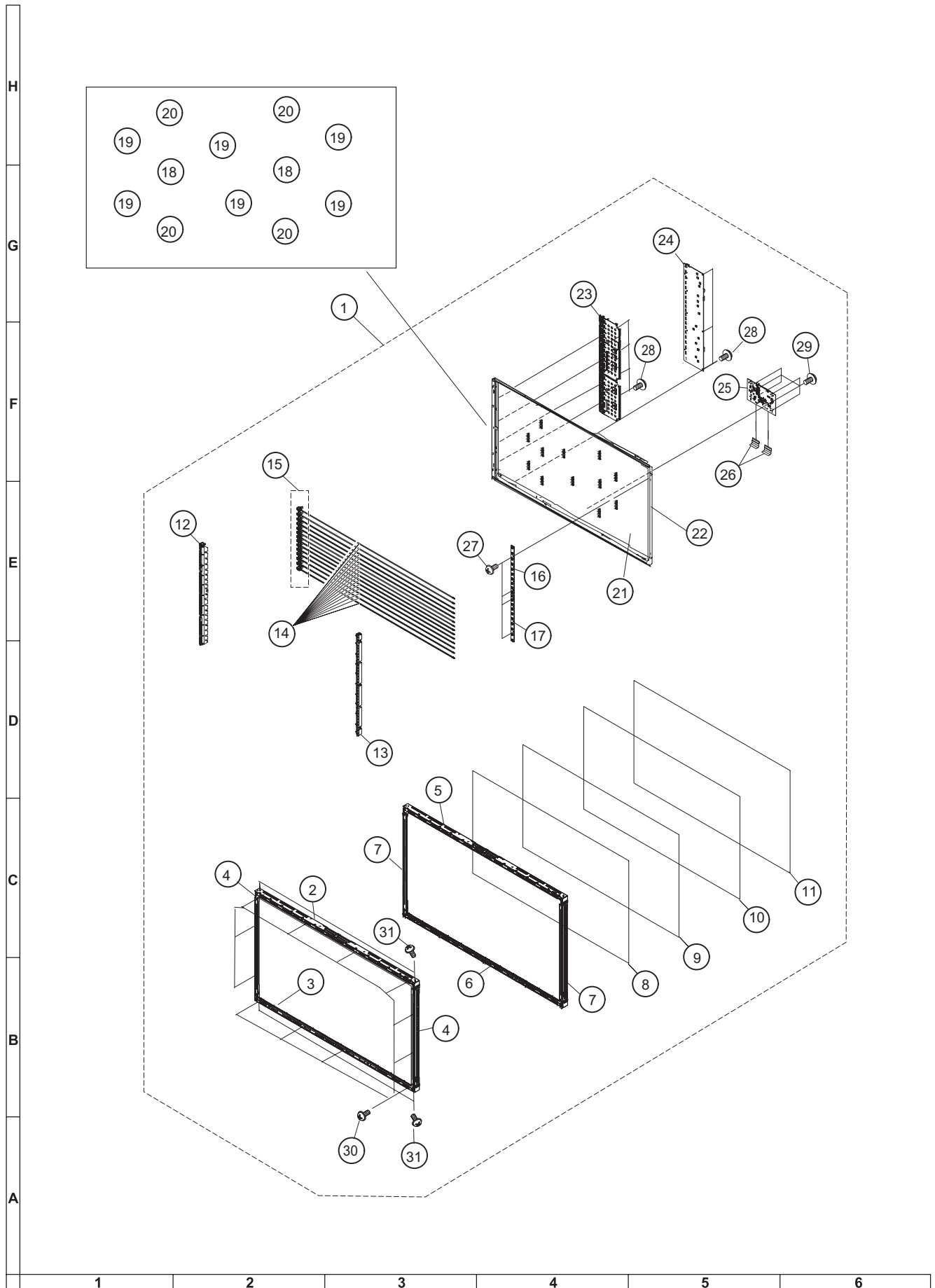
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[5] DUNTKF096FM01 (LED Unit)					
C101	VCKYCY1HF103ZY	AA		J	0.01 50V Ceramic
C102	VCEASX1CN106MY	AC		J	10 16V Electrolytic
C103	VCEASY1CN107MY	AC		J	100 16V Electrolytic
C104	VCKYTV1CF225ZY	AB		J	2.2 16V Ceramic
D102	RH-PX0421CEZZY	AD		J	CL-165HR/YG-D-T
D103	RH-PX0421CEZZY	AD		J	CL-165HR/YG-D-T
D104	RH-EXA092WJZZY	AB		J	UDZSFVTE-1712B
IC101	VHiGA1S100W-1Y	AE		J	GA1A1S100WP
P102	QPLGNA330WJZZY	AD		J	PLUG
Q102	VS2SC3928AR-1Y	AB		J	2SC3928A-T112-1R
Q103	VS2SC3928AR-1Y	AB		J	2SC3928A-T112-1R
Q104	VS2SC3928AR-1Y	AB		J	2SC3928A-T112-1R
Q105	VS2SC3928AR-1Y	AB		J	2SC3928A-T112-1R
R103	VRS-CY1JF161JY	AA		J	160 1/16W Metal Oxide
R105	VRS-CJ1JF103JY	AA		J	10k 1/16W Metal Oxide
R106	VRS-CY1JF223JY	AA		J	22k 1/16W Metal Oxide
R107	VRS-CY1JF393JY	AA		J	39k 1/16W Metal Oxide
R110	VRS-CY1JF103JY	AA		J	10k 1/16W Metal Oxide
R113	VRS-CY1JF000JY	AA		J	0 1/16W Metal Oxide
R114	VRS-CY1JF161JY	AA		J	160 1/16W Metal Oxide
R115	VRS-CY1JF821JY	AA		J	820 1/16W Metal Oxide
R116	VRS-CY1JF273JY	AA		J	27k 1/16W Metal Oxide
R120	VRS-CY1JF101JY	AA		J	100 1/16W Metal Oxide
RMC101	RRMCUA053WJZZ	AE		J	REMOTE RECEIVER
SLD101	PSLDPA076WJFW	AD		J	SHIELD

[6] CABINET AND MECHANICAL PARTS

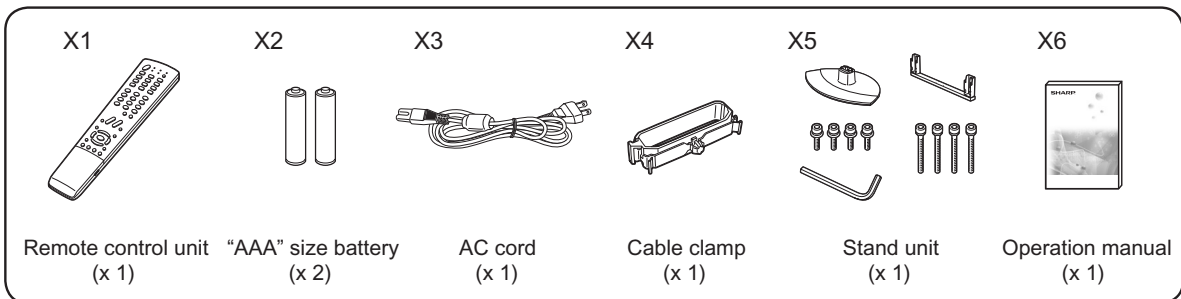


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[6] CABINET AND MECHANICAL PARTS					
1	CCABAC293WJ02	BS	N	X	Front Cabinet Ass'y (LC-40E67U)
1	CCABAC293WJ01	BS	N	X	Front Cabinet Ass'y (LC-40E77U)
1-1	Not Available	-	N	-	Front Cabinet
1-2	Not Available	-	N	-	Bottom Decoration-A Ass'y (LC-40E67U)
1-2	Not Available	-	N	-	Bottom Decoration-A Ass'y (LC-40E77U)
1-2-1	Not Available	-	N	-	Bottom Decoration-A (LC-40E67U)
1-2-1	Not Available	-	N	-	Bottom Decoration-A (LC-40E77U)
1-2-2	HBDGBA061WJSA	AH		J	SHARP Badge
1-3	Not Available	-		-	LED Cover
1-4	TLABZC154WJZZ	AH		X	E67 POP Label (LC-40E67U)
1-4	TLABZC190WJZZ	AG		X	E77 POP Label (LC-40E77U)
1-5	XEBS740P10000	AB		J	Screw, x7
2	CCABBB519WJ02	BK	N	X	Rear Cabinet Ass'y
2-1	Not Available	-	N	-	Rear Cabinet
2-2	HiNDPD205WJSA	AF		X	Terminal Label
3	CCOVAD295WJ04	AL	N	X	Side AV Cover Ass'y
3-1	Not Available	-	N	-	Side AV Cover
3-2	Not Available	-	N	-	Terminal Label
4	CCOVAC952WJ01	AK		X	KEY Button Cover Ass'y
4-1	GCOVAC952WJKA	AK	N	X	KEY Button Cover
4-2	Not Available	-	N	-	Control Button Label
5	CSLDMB612WJ01	AV		X	Control Shield Ass'y (LC-40E77U only)
5-1	Not Available	-	N	-	Control Shield (LC-40E77U only)
5-2	PRDARA644WJFW	AP		X	Control Radiator (LC-40E77U only)
5-3	XBPS730P06WS0	AA		J	Screw(for Radiator), x6 (LC-40E77U only)
6	GCOVAC576WJKZ	AC		J	VESA Hole Cover, x4
7	GCOVAD282WJ3A	AN		X	Bottom Cover
8	GCOVAD297WJ3A	AD		X	Bus Conn Cover
9	HiNDPD280WJSA	AD	N	X	Model Label (LC-40E67U)
9	HiNDPD279WJSA	AD	N	X	Model Label (LC-40E77U)
10	LANGKC082WJFW	AC		X	MAIN PWB Angle, x2
11	LANGKC195WJM1	AS	N	X	Support Angle, x2
12	LHLDFA040WJKZ	AC		J	Wire Holder (for POWER PWB)
13	LHLDFA045WJKA	AG		X	POWER PWB Holder, x2
14	LHLDWA074WJKZ	AD		J	Wire Holder (LC-40E77U only)
15	LHLDWA143WJKZ	AC		J	Wire Holder, x2
16	LHLDWA151WJKZ	AB		J	Wire Holder
17	LHLDWA175WJUJ	AC		J	Wire Holder, x6 (LC-40E67U)
17	LHLDWA175WJUJ	AC		J	Wire Holder, x5 (LC-40E77U)
18	LHLDWA176WJUJ	AC		J	Wire Holder (for LW)
19	NSFTZA284WJFW	AC		J	Hwxagon Nut, x4
20	PMLT-A593WJZZ	AC		X	Gasket:8X35X7T, x5
21	PMLT-A594WJZZ	AD		X	Gasket:8X50X7T, x5
22	PMLT-A597WJQZ	AF		X	Gasket(TUNER)
23	PSLDMB560WJFW	AR		X	MAIN PWB Shield
24	PSPAZB963WJKZ	AD		J	Conductor(JACK), x2
25	QCNCMA275WJQZ	AC		J	Connecting Cord(MODEL SELECTOR), x2
26	QCNW-H539WJPZ	AK		X	Connecting Cord(SP)
27	QCNW-H813WJQZ	AF	N	X	Connecting Cord(PL)(LC-40E77U only)
28	QCNW-H953WJQZ	AE		X	Connecting Cord(KM)(LC-40E67U)
28	QCNW-H953WJQZ	AE		X	Connecting Cord(KM)(LC-40E77U)
29	QCNW-J130WJQZ	AH		X	Connecting Cord(LP)(LC-40E77U only)
30	QCNW-J131WJQZ	AH		X	Connecting Cord(LB1)(LC-40E67U)
30	QCNW-J131WJQZ	AH		X	Connecting Cord(LB1)(LC-40E77U)
31	QCNW-J134WJQZ	AH		X	Connecting Cord(RA)
32	QCNW-J467WJQZ	BC	N	X	Connecting Cord(LW)(LC-40E67U)
32	QCNW-J449WJQZ	AW	N	X	Connecting Cord(LW)(LC-40E77U)
33	QCNW-J453WJQZ	AF	N	X	Connecting Cord(LB2)
34	QCNW-J456WJQZ	AH	N	X	Connecting Cord(LA)
35	QCNW-J459WJQZ	AM		X	Connecting Cord(PD)
36	RSP-ZA391WJZZ	AP		J	Speaker(L)
37	RSP-ZA392WJZZ	AP		J	Speaker(R)
38	TLABNB037WJZZ	AB		X	Back Serial Label
39	Not Available	-	N	-	Side Serial Label
40	TLABK0023TAZZ	AA		J	Bar Code Label
41	XBPS830P06000	AA		J	HDMI Screw, x3
42	XEBS740P10000	AB		J	Screw(FOR CAB-A), x2
43	XEBS930P10000	AA		J	Screw(S-VIDEO)
44	XEBS940P16000	AB		J	Screw(CAB-A/B), x10
45	XHPS830P06WS0	AA		J	Screw, x27(LC-40E67U)
45	XHPS830P06WS0	AA		J	Screw, x31(LC-40E77U)
46	XHPS830P10WS0	AB		J	Screw(FOR CAB B)
47	XHPS830P18WS0	AB		J	Screw(POWER-PWB), x4
48	XiPSN20P04000	AA		J	Screw(SIDE HDMI), x2

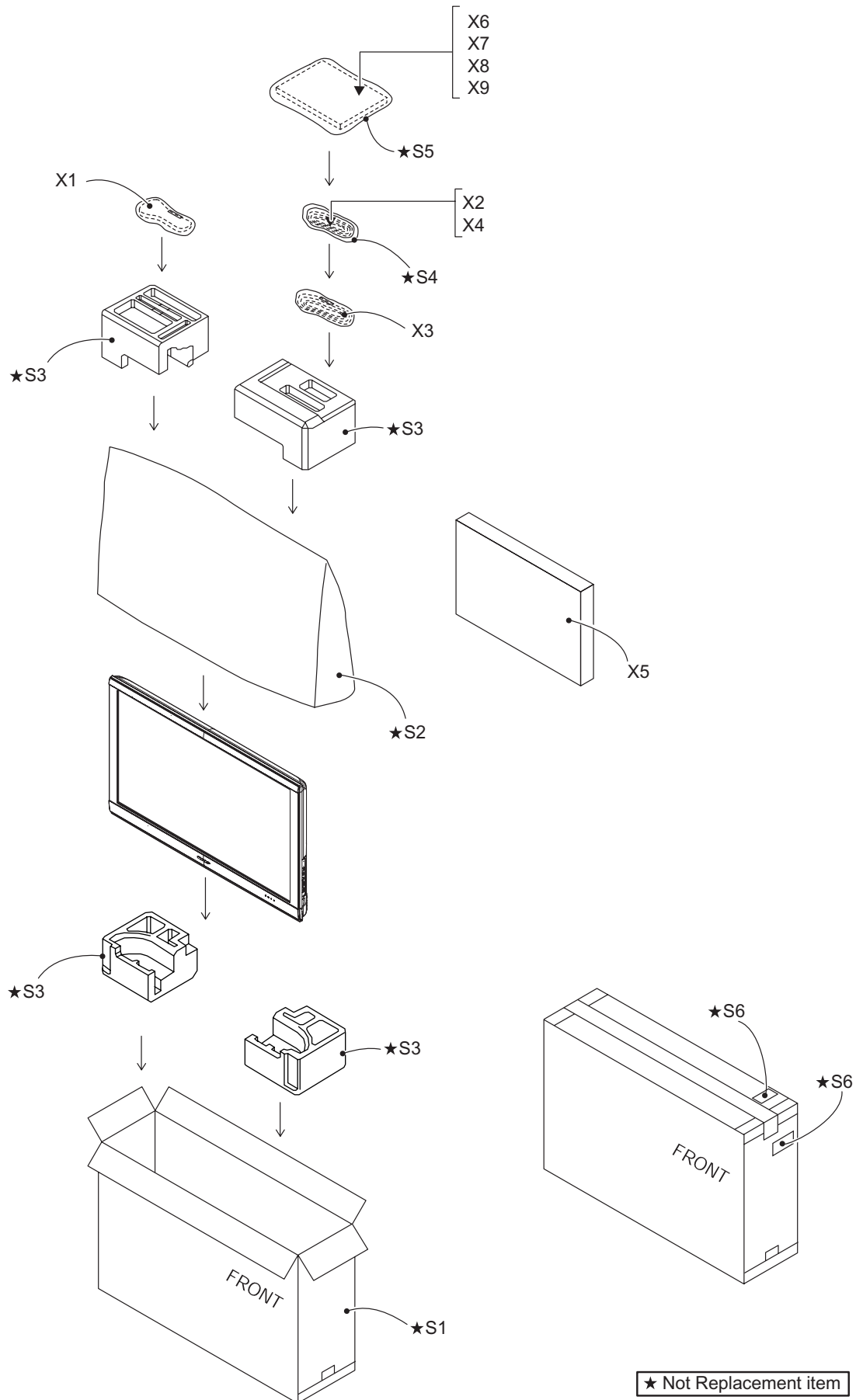
[7] LCD MODULE Assembly



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[7] LCD MODULE Assembly					
1	R1LK400D3LW10Z	DS		X	LCD Module Ass'y (LC-40E67U)
1	R1LK400D3LW20Z	DW		X	LCD Module Ass'y (LC-40E77U)
2	CANGK4391TP02	AM		J	Bezel Ass'y Top
3	CANGK4390TP02	AM		J	Bezel Ass'y Bottom
4	CANGK4392TP02	AL		J	Bezel Ass'y L/R, x2
5	CHLDZ4143TP03			J	P Chassis Ass'y Top
6	CHLDZB438WJ02			J	P Chassis Ass'y Bottom
7	CHLDZ4144TP03			J	P Chassis Ass'y L/R, x2
8	PSHEPA940WJZZ	BP		J	DBEF
9	PSHEPA941WJZZ	BB		J	Lens Sheet (Length)
10	PSHEPA942WJZZ	BB		J	Lens Sheet (Side)
11	PCOVUA166WJZZ	AY		J	Diffusion Plate
12	LHLDZ4153TPZZ	AL		J	Lamp Holder-L
13	LHLDZ4148TPZZ	AL		J	Lamp Holder-R
14	RLMPLA051WJZZ	AP		J	Lamp, x14
15	QSOCA005WJZZ	AD		J	Socket, x14
16	RUNTKA570WJZZ	AN		J	GND PWB Top
17	RUNTKA569WJZZ	AN		J	GND PWB Bottom
18	LHLDZ4146TPZZ			J	Lamp Clip A, x2
19	LHLDZ4147TPZZ			J	Lamp Clip B, x6
20	LHLDZ4149TPZZ			J	Lamp Clip C, x4
21	PMIR-A242WJZZ			J	Lens Sheet
22	CCHSMA565WJ01	BK		J	BL Chassis Ass'y
23	PCOVWA051WJKZ			J	SJ Cover
24	RUNTKA568WJN1			J	INVERTER Unit
24	RUNTK4106TPZC			J	C-PWB (LC-40E67U)
25	RUNTK4159TPZZ			J	C-PWB (LC-40E77U)
26	QCNW-J071WJQZ	AF		J	FFC, x2
27	LX-HZA046WJF7	AB		J	Screw, x4(GND PWB)
28	XHPS830P06WS0	AA		J	Screw, x7(Inverter,x4/SJ Cover,x3)
29	LX-HZA045WJF7	AB		J	Screw, x6(C-PWB)
30	LX-HZA039WJF7	AB		J	Screw, x12(Bezel-BL Chassis(Front))
31	LX-HZA053WJF7			J	Screw, x4(Bezel-BL Chassis(Side))

[8] SUPPLIED ACCESSORIES

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[8] SUPPLIED ACCESSORIES					
X1	RRMCGA759WJSA	AX		X	Remote Control Unit
X2	Not Available	-		-	Battery
X3	QACCD A066WJPZ	AP		X	AC Cord
X4	LHLDWA173WJKZ	AE		J	Cable Clamp
X5	CDA i-A552WJ06	BP	N	X	Stand Unit (LC-40E67U)
X5	CDA i-A552WJ02	BQ		X	Stand Unit (LC-40E77U)
X6	TiNS-E150WJZZ	AN	N	X	Operation Manual (LC-40E67U)
X6	TiNS-E149WJZZ	AN	N	X	Operation Manual (LC-40E77U)
X7	TCADEA243WJZZ	AD		X	Enquete Card
X8	TCAUZA342WJN1	AC		X	Transition Note
X9	TGAN-A845WJN1	AD		X	Extendwaranty

[9] PACKING PARTS (NOT REPLACEMENT ITEM)

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART DELIVERY	DESCRIPTION
[9] PACKING PARTS (NOT REPLACEMENT ITEM)					
S1	SPAKCE901WJZZ	-	N	-	Packing Case (LC-40E67U)
S1	SPAKCE876WJZZ	-	N	-	Packing Case (LC-40E77U)
S2	SPAKPB219WJZZ	-	-	-	Sack TV
S3	SPAKXC526WJZZ	-	N	-	Packing Form
S4	SSAKAA032WJZZ	-	-	-	Sack
S5	SSAKA0101GJZZ	-	-	-	Sack
S6	TLABKA009WJZZ	-	-	-	Case No. Label
[10] SERVICE JIG (USE FOR SERVICING)					
N	QCNW-C222WJQZ	AW		J	Connecting Cord (100cm 80pin)
N					LCD Control-LCD Panel, x2
N	QCNW-J554WJQZ	BH		J	Connecting Cord (100cm 41-5-4pin)
N					Main-LCD Control (LW) (for LC-40E67U)
N	QCNW-F676WJQZ	BH		J	Connecting Cord (100cm 41pin)
N					Main-LCD Control (LW) (for LC-40E77U)
N	QCNW-G401WJQZ	AP		J	Connecting Cord (100cm 4-5pin)
N					Main-KEY (KM)
N	QCNW-G405WJQZ	AP		J	Connecting Cord (100cm 4pin)
N					Main-LCD Control (PL) (for LC-40E77U)
N	QCNW-J349WJQZ	AS	N	J	Connecting Cord (150cm 13pin)
N					Main-LCD Control (LP) (for LC-40E77U)
N	QCNW-H184WJQZ	AX		J	Connecting Cord (100cm 12pin)
N					Main-Power (PD)
N	QCNW-H649WJPZ	AP		J	Connecting Cord (100cm 4pin)
N					Main-Speaker (SP)
N	QCNW-H762WJQZ	AV		J	Connecting Code (100cm 10pin)
N					Main-LED (RA)
N	QCNW-J330WJQZ	AS	N	J	Connecting Cord (100cm 6pin)
N					Main-Power (LB1)
N	QCNW-J331WJQZ	AP	N	J	Connecting Cord (100cm 6pin)
N					Main-Inverter (LB2)

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